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OM protein - protein search, using sw model

Run on: March 7, 2006, 13:09:35 ; Search time 25 Seconds
(without alignments)
1114.468 Million cell updates/sec

Title: US-10-063-584-74
Perfect score: 337
Sequence: 1 MLPSALLLEVIWILADGQ.....KRLNKRKSVFTSQATTEA 337

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 0

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1500 summaries

Database :

Issued Patents AA: *
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4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep: *
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	337	100.0	337	2	US-10-012-231A-423
2	337	100.0	337	2	US-10-015-389A-423
3	337	100.0	337	2	US-10-006-768A-423
4	337	100.0	337	2	US-10-015-671A-423
5	337	100.0	337	2	US-10-015-393A-423
6	337	100.0	337	2	US-10-011-833A-423
7	337	100.0	337	2	US-10-006-041A-423
8	337	100.0	337	2	US-10-012-064A-423
9	8	2.4	170	1	US-08-481-658B-54
10	8	2.4	170	1	US-08-477-504A-54
11	8	2.4	170	1	US-08-486-756A-54
12	8	2.4	170	1	US-08-485-862B-54
13	8	2.4	170	1	US-08-487-077A-54
14	8	2.4	170	2	US-08-485-863A-51
15	8	2.4	170	2	US-08-485-049D-54
16	8	2.4	170	2	US-09-772-719B-54
17	8	2.4	256	1	US-08-481-658B-51
18	8	2.4	256	1	US-08-477-504A-51
19	8	2.4	256	1	US-08-486-756A-51
20	8	2.4	256	1	US-08-485-862B-51
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22	8	2.4	256	2	US-08-485-863A-51
23	8	2.4	256	2	US-08-485-049D-51
24	8	2.4	256	2	US-09-772-719B-51
25	8	2.4	257	2	US-08-787-739-51
26	8	2.4	257	2	US-09-178-115-51
27	8	2.4	257	2	US-09-177-776-51

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55	8	2.4	354	2	US-09-949-016-6043	Sequence 6043, Ap
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81	8	2.4	459	2	US-09-949-016-6042	Sequence 6042, Ap
82	8	2.4	473	2	US-09-949-016-10203	Sequence 10203, A
83	8	2.4	598	2	US-09-198-452A-511	Sequence 511, App
84	8	2.4	598	2	US-09-438-185A-476	Sequence 476, App
85	8	2.4	857	2	US-09-425-335-4	Sequence 4, Appl
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91	8	2.1	123	2	US-09-134-000C-6036	Sequence 6036, Ap
92	8	2.1	132	2	US-09-513-999C-4373	Sequence 4373, Ap
93	8	2.1	135	2	US-10-037-417-56	Sequence 56, Appl
94	8	2.1	143	2	US-09-270-767-44294	Sequence 44294, A
95	8	2.1	155	2	US-09-252-991A-20373	Sequence 20373, A
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102	7	2.1	199	2	US-10-270-876-18	Sequence 18, Appl	175	7	2.1	1026	2	US-09-623-551-18	Sequence 18, Appl
103	7	2.1	227	2	US-09-252-991A-20634	Sequence 20634, A	176	7	2.1	1027	2	US-09-162-021B-2	Sequence 2, Appl
104	7	2.1	234	2	US-09-107-632A-5283	Sequence 5283, Ap	177	7	2.1	1027	2	US-10-268-051-8	Sequence 8, Appl
105	7	2.1	259	1	US-08-015-973-5	Sequence 5, Appl	178	7	2.1	1027	2	US-10-125-772-2	Sequence 2, Appl
106	7	2.1	259	1	US-08-448-164-5	Sequence 5, Appl	179	7	2.1	1384	2	US-09-949-016-7814	Sequence 7814, Ap
107	7	2.1	259	2	US-08-081-929-5	Sequence 5, Appl	180	7	2.1	1634	2	US-10-037-417-49	Sequence 49, Appl
108	7	2.1	259	2	US-10-000-954-5	Sequence 5, Appl	181	7	2.1	1640	2	US-10-037-417-8	Sequence 8, Appl
109	7	2.1	260	1	US-08-015-986A-9	Sequence 9, Appl	182	7	2.1	2154	2	US-08-431-184A-4	Sequence 4, Appl
110	7	2.1	260	1	US-08-446-363-9	Sequence 9, Appl	183	7	2.1	2154	2	US-09-949-016-10828	Sequence 10828, A
111	7	2.1	260	2	US-08-927-128-4	Sequence 4, Appl	184	7	2.1	2154	2	US-09-538-092-914	Sequence 914, App
112	7	2.1	260	2	US-09-976-594-644	Sequence 644, App	185	7	2.1	2349	2	US-09-538-092-914	Sequence 1243, Ap
113	7	2.1	261	1	US-08-015-973-9	Sequence 9, Appl	186	7	2.1	2354	2	US-09-538-092-1243	Sequence 2, Appl
114	7	2.1	261	1	US-08-448-164-9	Sequence 9, Appl	187	7	2.1	3597	2	US-10-037-417-6	Sequence 6, Appl
115	7	2.1	261	2	US-08-081-929-9	Sequence 9, Appl	188	7	2.1	3600	2	US-10-037-417-2	Sequence 2, Appl
116	7	2.1	261	2	US-10-000-954-9	Sequence 9, Appl	189	7	2.1	3647	2	US-09-949-016-10932	Sequence 10932, A
117	7	2.1	261	2	US-09-949-016-6599	Sequence 6599, Ap	190	7	2.1	3655	2	US-10-037-182-2	Sequence 2, Appl
118	7	2.1	287	2	US-09-949-016-10412	Sequence 10412, A	191	6	1.8	8	1	US-07-876-280-11	Sequence 11, Appl
119	7	2.1	288	1	US-08-595-868C-12	Sequence 12, Appl	192	6	1.8	8	1	US-07-968-781A-61	Sequence 61, Appl
120	7	2.1	288	2	US-09-139-819A-12	Sequence 12, Appl	193	6	1.8	8	1	US-08-158-232-14	Sequence 14, Appl
121	7	2.1	288	2	US-09-750-913-12	Sequence 12, Appl	194	6	1.8	8	1	US-08-304-626-14	Sequence 14, Appl
122	7	2.1	288	2	US-09-949-016-8850	Sequence 8850, Ap	195	6	1.8	8	1	US-08-316-301A-15	Sequence 15, Appl
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126	7	2.1	328	2	US-09-999-833A-358	Sequence 358, App	199	6	1.8	8	2	US-09-738-563-15	Sequence 15, Appl
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131	7	2.1	334	2	US-09-543-681A-7174	Sequence 7174, Ap	204	6	1.8	19	2	US-09-839-884-63	Sequence 63, Appl
132	7	2.1	339	2	US-09-252-991A-18797	Sequence 18797, A	205	6	1.8	23	1	US-08-437-841-11	Sequence 11, Appl
133	7	2.1	364	2	US-09-107-532A-5044	Sequence 5044, Ap	206	6	1.8	23	1	US-08-286-521-11	Sequence 11, Appl
134	7	2.1	372	2	US-09-252-991A-2553	Sequence 2553, A	207	6	1.8	23	1	US-08-436-175-11	Sequence 11, Appl
135	7	2.1	372	2	US-09-252-991A-18963	Sequence 18963, A	208	6	1.8	23	1	US-08-435-149-16	Sequence 16, Appl
136	7	2.1	380	2	US-09-248-796A-14466	Sequence 14466, A	209	6	1.8	23	2	US-08-951-200A-4	Sequence 4, Appl
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138	7	2.1	385	2	US-09-949-016-11213	Sequence 11213, A	211	6	1.8	23	2	US-08-978-285-6	Sequence 6, Appl
139	7	2.1	387	2	US-09-248-796A-14674	Sequence 14674, A	212	6	1.8	23	2	US-09-741-106-11	Sequence 11, Appl
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141	7	2.1	408	2	US-09-303-518D-624	Sequence 624, App	214	6	1.8	27	1	US-08-437-841-8	Sequence 8, Appl
142	7	2.1	408	2	US-09-303-518D-626	Sequence 626, App	215	6	1.8	27	1	US-08-286-521-8	Sequence 8, Appl
143	7	2.1	446	2	US-09-303-518D-628	Sequence 628, App	216	6	1.8	27	1	US-08-436-175-8	Sequence 8, Appl
144	7	2.1	446	2	US-09-252-991A-21791	Sequence 21791, A	217	6	1.8	27	2	US-08-943-682-8	Sequence 8, Appl
145	7	2.1	477	2	US-09-876-221-2	Sequence 2, Appl	218	6	1.8	27	2	US-09-741-106-8	Sequence 8, Appl
146	7	2.1	503	2	US-09-634-228-267	Sequence 267, App	219	6	1.8	27	4	PCT-US95-09464-8	Sequence 8, Appl
147	7	2.1	503	2	US-09-488-039A-10722	Sequence 10722, A	220	6	1.8	28	2	US-08-471-276-1193	Sequence 1193, Ap
148	7	2.1	503	2	US-09-569-611C-49	Sequence 49, Appl	221	6	1.8	30	2	US-09-259-478A-3	Sequence 3, Appl
149	7	2.1	524	2	US-09-949-016-7405	Sequence 7405, Ap	222	6	1.8	30	2	US-09-259-478A-19	Sequence 19, Appl
150	7	2.1	524	2	US-09-625-188-2	Sequence 2, Appl	223	6	1.8	32	1	US-08-015-770B-9	Sequence 9, Appl
151	7	2.1	524	2	US-09-252-991A-22551	Sequence 22551, A	224	6	1.8	32	1	US-08-015-770B-28	Sequence 28, Appl
152	7	2.1	535	1	US-07-872-644-49	Sequence 49, Appl	225	6	1.8	39	2	US-09-270-767-62422	Sequence 62422, A
153	7	2.1	535	1	US-08-297-494-49	Sequence 49, Appl	226	6	1.8	44	2	US-09-717-054-63	Sequence 63, Appl
154	7	2.1	535	1	US-08-297-510-49	Sequence 49, Appl	227	6	1.8	44	2	US-08-951-200A-1	Sequence 1, Appl
155	7	2.1	535	1	US-08-479-532-49	Sequence 49, Appl	228	6	1.8	44	2	US-09-489-847-339	Sequence 339, App
156	7	2.1	535	1	US-08-455-526-49	Sequence 49, Appl	229	6	1.8	44	2	US-09-489-847-191	Sequence 191, App
157	7	2.1	535	1	US-08-455-526-49	Sequence 49, Appl	230	6	1.8	44	2	US-09-443-780C-34	Sequence 34, Appl
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159	7	2.1	535	2	US-09-883-825-49	Sequence 49, Appl	232	6	1.8	44	2	US-09-717-054-63	Sequence 63, Appl
160	7	2.1	535	4	PCT-US92-03222-49	Sequence 49, Appl	233	6	1.8	48	2	US-08-951-200A-1	Sequence 1, Appl
161	7	2.1	598	2	US-09-252-991A-25875	Sequence 25875, A	234	6	1.8	50	2	US-09-489-847-339	Sequence 339, App
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163	7	2.1	635	1	US-07-879-617A-9	Sequence 9, Appl	236	6	1.8	53	2	US-08-836-500A-8	Sequence 8, Appl
164	7	2.1	635	1	US-08-753-985-9	Sequence 9, Appl	237	6	1.8	53	2	US-08-679-750-8	Sequence 8, Appl
165	7	2.1	667	1	US-07-879-617A-8	Sequence 8, Appl	238	6	1.8	61	2	US-09-471-276-1026	Sequence 1026, Ap
166	7	2.1	667	1	US-08-753-985-8	Sequence 8, Appl	239	6	1.8	67	2	US-09-270-767-56954	Sequence 23522, A
167	7	2.1	692	2	US-09-489-039A-10764	Sequence 10764, A	240	6	1.8	70	2	US-09-248-796A-23522	Sequence 7449, Ap
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169	7	2.1	953	2	US-09-845-583A-4	Sequence 4, Appl	242	6	1.8	72	2	US-08-836-500A-6	Sequence 6, Appl
170	7	2.1	953	2	US-10-037-417-50	Sequence 50, Appl	243	6	1.8	72	2	US-09-679-750-6	Sequence 6, Appl
171	7	2.1	1012	1	US-08-475-891A-4	Sequence 4, Appl	244	6	1.8	76	2	US-09-621-976-7097	Sequence 7097, Ap
172	7	2.1	1025	1	US-08-567-375-4	Sequence 4, Appl	245	6	1.8	76	2		
173	7	2.1	1025	1	US-08-567-375-4	Sequence 4, Appl	246	6	1.8	76	2		

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249	6	1.8	82	2	US-09-621-976-4586	Sequence 4586, Ap	322	6	1.8	126	1	US-08-455-972-4	Sequence 4, Appli
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252	6	1.8	83	2	US-09-270-767-49238	Sequence 49238, A	325	6	1.8	126	1	US-08-455-972-10	Sequence 10, Appl
253	6	1.8	91	2	US-09-621-976-4585	Sequence 4585, Ap	326	6	1.8	126	1	US-08-455-972-12	Sequence 12, Appl
254	6	1.8	94	2	US-09-107-532A-4932	Sequence 4932, Ap	327	6	1.8	126	1	US-08-455-972-14	Sequence 14, Appl
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256	6	1.8	99	1	US-09-252-991A-16637	Sequence 16637, A	329	6	1.8	126	4	PCT-US92-00652-2	Sequence 2, Appli
257	6	1.8	99	2	US-09-489-039A-7903	Sequence 7903, Ap	330	6	1.8	126	4	PCT-US92-00652-4	Sequence 4, Appli
258	6	1.8	99	2	US-09-621-976-7096	Sequence 7096, Ap	331	6	1.8	126	4	PCT-US92-00652-6	Sequence 6, Appli
259	6	1.8	100	2	US-09-134-000C-4349	Sequence 4349, Ap	332	6	1.8	126	4	PCT-US92-00652-8	Sequence 8, Appli
260	6	1.8	101	2	US-09-248-796A-27879	Sequence 27879, A	333	6	1.8	126	4	PCT-US92-00652-10	Sequence 10, Appl
261	6	1.8	103	2	US-09-513-999C-7653	Sequence 7653, Ap	334	6	1.8	126	4	PCT-US92-00652-12	Sequence 12, Appl
262	6	1.8	104	2	US-09-270-767-40174	Sequence 40174, A	335	6	1.8	126	4	PCT-US92-00652-14	Sequence 14, Appl
263	6	1.8	104	2	US-09-270-767-55390	Sequence 55390, A	336	6	1.8	127	2	US-08-637-7598-198	Sequence 188, App
264	6	1.8	104	2	US-09-513-999C-8102	Sequence 8102, Ap	337	6	1.8	127	2	US-08-871-355A-198	Sequence 198, App
265	6	1.8	105	2	US-09-270-767-58930	Sequence 58930, A	338	6	1.8	127	2	US-09-201-945-198	Sequence 198, App
266	6	1.8	106	2	US-09-621-976-5919	Sequence 5919, Ap	339	6	1.8	128	2	US-08-905-223-306	Sequence 306, App
267	6	1.8	106	2	US-10-104-047-3049	Sequence 3049, Ap	340	6	1.8	128	2	US-09-482-273-109	Sequence 109, App
268	6	1.8	107	2	US-10-104-047-2122	Sequence 2122, Ap	341	6	1.8	130	2	US-09-270-767-43485	Sequence 43485, A
269	6	1.8	108	2	US-09-513-999C-6868	Sequence 6868, Ap	342	6	1.8	133	2	US-09-270-767-59538	Sequence 59538, A
270	6	1.8	109	1	US-08-646-981-6	Sequence 6, Appli	343	6	1.8	136	2	US-09-205-258-465	Sequence 465, App
271	6	1.8	114	2	US-09-270-767-38697	Sequence 38697, A	344	6	1.8	136	2	US-10-004-860-465	Sequence 465, App
272	6	1.8	114	2	US-09-270-767-53914	Sequence 53914, A	345	6	1.8	137	2	US-09-205-258-468	Sequence 308, App
273	6	1.8	114	2	US-10-101-464A-803	Sequence 803, App	346	6	1.8	137	2	US-09-270-767-18555	Sequence 38555, A
274	6	1.8	115	2	US-09-543-681A-7346	Sequence 7346, Ap	347	6	1.8	137	2	US-09-270-767-53772	Sequence 53772, A
275	6	1.8	116	2	US-09-513-999C-7595	Sequence 7595, Ap	348	6	1.8	137	2	US-10-004-860-308	Sequence 308, App
276	6	1.8	118	2	US-09-270-767-58803	Sequence 58803, A	349	6	1.8	139	1	US-07-846-992-5	Sequence 5, Appli
277	6	1.8	118	2	US-09-311-021-158	Sequence 158, App	350	6	1.8	139	1	US-08-469-555-5	Sequence 5, Appli
278	6	1.8	118	2	US-09-949-016-7744	Sequence 7744, Ap	351	6	1.8	139	1	US-08-291-299-6	Sequence 6, Appli
279	6	1.8	120	1	US-08-869-733-3	Sequence 3, Appli	352	6	1.8	139	4	PCT-US95-10579-6	Sequence 6, Appli
280	6	1.8	120	1	US-08-869-733-4	Sequence 4, Appli	353	6	1.8	142	2	US-09-252-991A-31831	Sequence 31831, A
281	6	1.8	120	1	US-09-215-063-3	Sequence 3, Appli	354	6	1.8	143	2	US-09-621-976-7149	Sequence 7149, Ap
282	6	1.8	120	2	US-09-215-063-4	Sequence 4, Appli	355	6	1.8	143	2	US-09-424-978B-20	Sequence 20, Appl
283	6	1.8	120	2	US-09-621-976-7098	Sequence 7098, Ap	356	6	1.8	143	2	US-10-067-422-32	Sequence 32, Appl
284	6	1.8	120	2	US-10-096-703-3	Sequence 3, Appli	357	6	1.8	144	2	US-09-480-297A-16	Sequence 16, Appl
285	6	1.8	120	2	US-10-096-703-4	Sequence 4, Appli	358	6	1.8	145	2	US-08-946-329A-55	Sequence 55, Appl
286	6	1.8	120	2	US-09-248-796A-24452	Sequence 24452, A	359	6	1.8	145	2	US-09-562-914-55	Sequence 55, Appl
287	6	1.8	120	2	US-09-949-016-7860	Sequence 7860, Ap	360	6	1.8	146	2	US-09-252-991A-27552	Sequence 27552, A
288	6	1.8	121	2	US-09-513-999C-5742	Sequence 5742, Ap	361	6	1.8	146	2	US-09-949-016-9148	Sequence 9148, Ap
289	6	1.8	121	2	US-09-902-540-13863	Sequence 13863, A	362	6	1.8	146	2	US-09-902-540-15781	Sequence 15781, A
290	6	1.8	123	2	US-09-270-767-33649	Sequence 33649, A	363	6	1.8	147	2	US-09-540-236-3333	Sequence 3333, Ap
291	6	1.8	123	2	US-09-270-767-48866	Sequence 48866, A	364	6	1.8	147	2	US-09-270-767-33301	Sequence 33301, A
292	6	1.8	124	2	US-09-540-236-3076	Sequence 3076, Ap	365	6	1.8	149	2	US-09-732-210-1092	Sequence 1092, Ap
293	6	1.8	126	1	US-07-646-998A-2	Sequence 2, Appli	366	6	1.8	149	2	US-10-101-464A-538	Sequence 538, App
294	6	1.8	126	1	US-07-646-998A-4	Sequence 4, Appli	367	6	1.8	150	2	US-09-107-433-3841	Sequence 3841, Ap
295	6	1.8	126	1	US-07-646-998A-6	Sequence 6, Appli	368	6	1.8	152	2	US-09-270-767-33006	Sequence 33006, A
296	6	1.8	126	1	US-07-646-998A-8	Sequence 8, Appli	369	6	1.8	152	2	US-09-270-767-48823	Sequence 48823, A
297	6	1.8	126	1	US-07-646-998A-10	Sequence 10, Appl	370	6	1.8	153	2	US-09-270-767-32431	Sequence 32431, A
298	6	1.8	126	1	US-07-646-998A-12	Sequence 12, Appl	371	6	1.8	153	2	US-09-710-279-1100	Sequence 1100, Ap
299	6	1.8	126	1	US-07-646-998A-14	Sequence 14, Appl	372	6	1.8	153	2	US-09-909-474D-9	Sequence 9, Appli
300	6	1.8	126	1	US-08-094-128A-2	Sequence 2, Appli	373	6	1.8	157	2	US-09-835-811-5	Sequence 5, Appli
301	6	1.8	126	1	US-08-094-128A-4	Sequence 4, Appli	374	6	1.8	157	2	US-09-252-991A-23851	Sequence 23851, A
302	6	1.8	126	1	US-08-094-128A-6	Sequence 6, Appli	375	6	1.8	158	2	US-09-443-184-59	Sequence 59, Appl
303	6	1.8	126	1	US-08-094-128A-8	Sequence 8, Appli	376	6	1.8	158	2	US-09-270-767-33636	Sequence 33636, A
304	6	1.8	126	1	US-08-094-128A-10	Sequence 10, Appl	377	6	1.8	158	2	US-09-270-767-43558	Sequence 43558, A
305	6	1.8	126	1	US-08-094-128A-12	Sequence 12, Appl	378	6	1.8	158	2	US-09-270-767-48853	Sequence 48853, A
306	6	1.8	126	1	US-08-094-128A-14	Sequence 14, Appl	379	6	1.8	159	2	US-09-252-991A-3263	Sequence 3263, A
307	6	1.8	126	1	US-08-455-674-2	Sequence 2, Appli	380	6	1.8	159	2	US-09-328-352-8220	Sequence 8220, Ap
308	6	1.8	126	1	US-08-455-674-4	Sequence 4, Appli	381	6	1.8	159	2	US-10-101-464A-597	Sequence 597, App
309	6	1.8	126	1	US-08-455-674-6	Sequence 6, Appli	382	6	1.8	160	2	US-09-107-532A-7249	Sequence 7249, Ap
310	6	1.8	126	1	US-08-455-674-8	Sequence 8, Appli	383	6	1.8	160	2	US-09-605-703B-1712	Sequence 1712, Ap
311	6	1.8	126	1	US-08-455-674-10	Sequence 10, Appl	384	6	1.8	161	1	US-08-450-257-56	Sequence 56, Appl
312	6	1.8	126	1	US-08-455-674-12	Sequence 12, Appl	385	6	1.8	161	1	US-08-450-246-56	Sequence 56, Appl
313	6	1.8	126	1	US-08-455-674-14	Sequence 14, Appl	386	6	1.8	161	1	US-08-451-233-56	Sequence 56, Appl
314	6	1.8	126	1	US-08-455-992-2	Sequence 2, Appli	387	6	1.8	161	1	US-08-451-233-56	Sequence 56, Appl
315	6	1.8	126	1	US-08-455-992-4	Sequence 4, Appli	388	6	1.8	161	1	US-08-450-236-56	Sequence 56, Appl
316	6	1.8	126	1	US-08-455-992-6	Sequence 6, Appli	389	6	1.8	161	2	US-08-235-403-56	Sequence 56, Appl
317	6	1.8	126	1	US-08-455-992-8	Sequence 8, Appli	390	6	1.8	161	2	US-09-252-991A-28201	Sequence 28201, A
318	6	1.8	126	1	US-08-455-992-10	Sequence 10, Appl	391	6	1.8	161	2	US-09-480-297A-14	Sequence 14, Appl
319	6	1.8	126	1	US-08-455-992-12	Sequence 12, Appl	392	6	1.8	161	2	US-09-328-352-7883	Sequence 7883, Ap

393	6	1.8	161	2	US-09-836-385-2	Sequence 2, Appl1	466	6	1.8	191	2	US-08-745-404-4	Sequence 4, Appl1
394	6	1.8	162	2	US-09-252-991A-21465	Sequence 21465, A	467	6	1.8	192	2	US-09-252-991A-32913	Sequence 32913, A
395	6	1.8	162	2	US-09-540-236-2231	Sequence 2231, Ap	468	6	1.8	192	2	US-09-270-767-38649	Sequence 38649, A
396	6	1.8	164	2	US-09-248-796A-17190	Sequence 17190, A	469	6	1.8	192	2	US-09-270-767-53866	Sequence 53866, A
397	6	1.8	165	2	US-09-270-767-35673	Sequence 35673, A	470	6	1.8	193	2	US-09-134-000C-4720	Sequence 4720, Ap
398	6	1.8	165	2	US-09-270-767-30830	Sequence 30890, A	471	6	1.8	195	2	US-10-104-047-1791	Sequence 1791, Ap
399	6	1.8	168	2	US-09-252-991A-29346	Sequence 2346, A	472	6	1.8	196	2	US-09-270-767-38761	Sequence 38761, A
400	6	1.8	168	2	US-09-621-976-5110	Sequence 5110, Ap	473	6	1.8	196	2	US-09-270-767-53978	Sequence 53978, A
401	6	1.8	168	2	US-09-270-767-43450	Sequence 43450, A	474	6	1.8	196	2	US-09-902-540-16356	Sequence 16356, A
402	6	1.8	169	2	US-09-544-716-17	Sequence 17, Appl	475	6	1.8	204	2	US-09-252-991A-27153	Sequence 27153, A
403	6	1.8	169	2	US-09-257-921A-29056	Sequence 29056, A	476	6	1.8	204	2	US-09-710-879-412	Sequence 412, App
404	6	1.8	169	2	US-09-557-921-18	Sequence 18, Appl	477	6	1.8	204	2	US-09-710-879-1218	Sequence 1218, Ap
405	6	1.8	169	2	US-09-480-297A-18	Sequence 18, Appl	478	6	1.8	205	2	US-09-270-767-39236	Sequence 39236, A
406	6	1.8	169	2	US-09-564-357-20	Sequence 20, Appl	479	6	1.8	205	2	US-09-270-767-54333	Sequence 54343, A
407	6	1.8	169	2	US-09-619-380-19	Sequence 19, Appl	480	6	1.8	208	1	US-07-661-610C-5	Sequence 5, Appl1
408	6	1.8	169	2	US-09-836-385-4	Sequence 4, Appl1	481	6	1.8	208	4	US-08-309-512-4	Sequence 4, Appl1
409	6	1.8	169	2	US-09-544-537-19	Sequence 19, Appl	482	6	1.8	208	4	PCT-US92-08756A-4	Sequence 18, Appl
410	6	1.8	169	2	US-09-527-376-14	Sequence 14, Appl	483	6	1.8	209	2	US-09-489-039A-12638	Sequence 12638, A
411	6	1.8	169	2	US-09-775-925-29	Sequence 29, Appl	484	6	1.8	210	1	US-08-948-616-10	Sequence 10, Appl
412	6	1.8	170	2	US-09-513-999C-5046	Sequence 5046, Ap	485	6	1.8	210	1	US-08-991-946A-6	Sequence 6, Appl1
413	6	1.8	170	2	US-09-513-999C-5047	Sequence 5047, Ap	486	6	1.8	210	1	US-08-193-510-10	Sequence 10, Appl
414	6	1.8	172	2	US-09-902-540-13256	Sequence 13256, A	487	6	1.8	210	2	US-09-368-402-10	Sequence 10, Appl
415	6	1.8	174	2	US-08-911-853-19	Sequence 19, Appl	488	6	1.8	210	2	US-08-617-785-16	Sequence 16, Appl
416	6	1.8	174	2	US-09-479-409-19	Sequence 19, Appl	489	6	1.8	210	2	US-08-817-864-16	Sequence 16, Appl
417	6	1.8	174	2	US-09-479-453-19	Sequence 19, Appl	490	6	1.8	210	2	US-09-252-991A-16748	Sequence 16748, A
418	6	1.8	174	2	US-09-252-991A-26059	Sequence 26059, A	491	6	1.8	211	2	US-09-252-991A-24927	Sequence 24927, A
419	6	1.8	174	2	US-09-489-039A-11944	Sequence 11944, A	492	6	1.8	212	2	US-09-328-352-6317	Sequence 6317, Ap
420	6	1.8	176	2	US-09-902-540-13726	Sequence 13726, A	493	6	1.8	212	2	US-08-796-850-2	Sequence 2, Appl1
421	6	1.8	177	1	US-08-450-257-61	Sequence 61, Appl	494	6	1.8	213	1	US-09-766-778-2	Sequence 2, Appl1
422	6	1.8	177	1	US-08-450-246-61	Sequence 61, Appl	495	6	1.8	213	2	US-10-086-176A-6	Sequence 6, Appl1
423	6	1.8	177	1	US-08-450-098-61	Sequence 61, Appl	496	6	1.8	213	2	US-09-535-145-2	Sequence 2, Appl1
424	6	1.8	177	1	US-08-451-233-61	Sequence 61, Appl	497	6	1.8	214	2	US-09-535-145-2	Sequence 2, Appl1
425	6	1.8	177	1	US-08-450-236-61	Sequence 61, Appl	498	6	1.8	214	2	US-10-104-047-2741	Sequence 2741, Ap
426	6	1.8	177	2	US-08-235-403-61	Sequence 61, Appl	499	6	1.8	215	2	US-09-248-796A-20202	Sequence 20202, A
427	6	1.8	177	2	US-09-747-259-6	Sequence 6, Appl1	500	6	1.8	215	2	US-09-830-433A-48	Sequence 48, Appl
428	6	1.8	177	2	US-09-816-744-6	Sequence 6, Appl1	501	6	1.8	218	2	US-09-134-000C-4152	Sequence 4152, Ap
429	6	1.8	178	2	US-09-809-665A-12	Sequence 12, Appl	502	6	1.8	218	2	US-09-114-000C-6788	Sequence 6798, Ap
430	6	1.8	179	2	US-08-836-500A-4	Sequence 4, Appl1	503	6	1.8	220	2	US-09-640-211A-598	Sequence 598, App
431	6	1.8	179	2	US-09-309-317-4	Sequence 4, Appl1	504	6	1.8	221	2	US-09-324-542-156	Sequence 156, App
432	6	1.8	179	2	US-10-067-443-25	Sequence 25, Appl	505	6	1.8	221	2	US-09-205-426-156	Sequence 156, App
433	6	1.8	179	2	US-09-679-750-4	Sequence 4, Appl1	506	6	1.8	223	2	US-09-270-767-40718	Sequence 40718, A
434	6	1.8	180	2	US-09-270-767-61919	Sequence 61919, A	507	6	1.8	223	2	US-09-270-767-55934	Sequence 55934, A
435	6	1.8	181	2	US-09-602-787A-428	Sequence 428, App	508	6	1.8	224	2	US-09-482-273-204	Sequence 204, App
436	6	1.8	181	2	US-10-104-047-2756	Sequence 2756, Ap	509	6	1.8	225	2	US-09-949-016-11719	Sequence 11719, A
437	6	1.8	182	2	US-09-252-991A-31442	Sequence 31442, A	510	6	1.8	225	2	US-09-902-540-15401	Sequence 15401, A
438	6	1.8	183	2	US-09-966-611D-3	Sequence 3, Appl1	511	6	1.8	227	2	US-09-583-110-1621	Sequence 3621, Ap
439	6	1.8	184	2	US-09-538-092-504	Sequence 504, App	512	6	1.8	228	2	US-09-252-991A-26973	Sequence 26973, A
440	6	1.8	185	2	US-09-198-452A-1223	Sequence 1223, Ap	513	6	1.8	229	2	US-08-352-991A-22014	Sequence 22014, A
441	6	1.8	185	2	US-09-328-352-7053	Sequence 7053, Ap	514	6	1.8	231	1	US-08-336-198C-7	Sequence 7, Appl1
442	6	1.8	187	1	US-08-450-257-62	Sequence 62, Appl	515	6	1.8	231	2	US-09-184-965-7	Sequence 7, Appl1
443	6	1.8	187	1	US-08-450-246-62	Sequence 62, Appl	516	6	1.8	232	2	US-09-134-001C-5220	Sequence 5220, Ap
444	6	1.8	187	1	US-08-450-098-62	Sequence 62, Appl	517	6	1.8	232	2	US-09-252-991A-20425	Sequence 20425, A
445	6	1.8	187	1	US-08-451-233-62	Sequence 62, Appl	518	6	1.8	233	2	US-09-949-016-9008	Sequence 9008, Ap
446	6	1.8	187	1	US-08-450-236-62	Sequence 62, Appl	519	6	1.8	234	2	US-09-543-681A-7999	Sequence 7999, Ap
447	6	1.8	187	1	US-08-713-825-1	Sequence 1, Appl1	520	6	1.8	234	2	US-09-432-709A-350	Sequence 350, App
448	6	1.8	187	2	US-09-199-842-1	Sequence 1, Appl1	521	6	1.8	235	1	US-08-147-710-2	Sequence 2, Appl1
449	6	1.8	187	2	US-08-235-403-62	Sequence 62, Appl1	522	6	1.8	235	1	US-08-458-090-2	Sequence 2, Appl1
450	6	1.8	187	2	US-09-460-532-1	Sequence 1, Appl1	523	6	1.8	235	1	US-08-457-887-2	Sequence 2, Appl1
451	6	1.8	187	2	US-09-248-796A-20333	Sequence 20323, A	524	6	1.8	235	2	US-08-817-145-3	Sequence 3, Appl1
452	6	1.8	187	2	US-09-538-092-823	Sequence 823, App	525	6	1.8	235	2	US-09-702-705-332	Sequence 332, App
453	6	1.8	190	1	US-07-956-700B-15	Sequence 15, Appl	526	6	1.8	235	2	US-09-736-457-332	Sequence 332, App
454	6	1.8	190	1	US-07-956-700B-30	Sequence 30, Appl	527	6	1.8	235	2	US-09-614-124B-332	Sequence 332, App
455	6	1.8	190	1	US-08-476-537-15	Sequence 15, Appl	528	6	1.8	235	2	US-09-904-621-2	Sequence 2, Appl1
456	6	1.8	190	1	US-08-476-537-30	Sequence 30, Appl	529	6	1.8	235	2	US-09-671-325-332	Sequence 332, App
457	6	1.8	190	1	US-08-485-607-15	Sequence 15, Appl	530	6	1.8	235	2	US-09-589-184-332	Sequence 332, App
458	6	1.8	190	1	US-08-485-607-30	Sequence 30, Appl	531	6	1.8	235	2	US-09-270-767-42810	Sequence 42810, A
459	6	1.8	190	1	US-08-475-879-15	Sequence 15, Appl	532	6	1.8	235	2	US-09-658-824-332	Sequence 332, App
460	6	1.8	190	1	US-08-475-879-30	Sequence 30, Appl	533	6	1.8	235	2	US-09-949-016-6733	Sequence 6735, Ap
461	6	1.8	190	2	US-09-433-043B-15	Sequence 15, Appl	534	6	1.8	235	2	US-10-017-754-332	Sequence 332, App
462	6	1.8	190	2	US-09-433-043B-30	Sequence 30, Appl	535	6	1.8	235	2	US-09-651-563-332	Sequence 332, App
463	6	1.8	190	2	US-09-543-681A-168	Sequence 8168, Ap	536	6	1.8	235	2	US-09-519-642-332	Sequence 332, App
464	6	1.8	190	2	US-09-438-185A-831	Sequence 831, App	537	6	1.8	237	2	US-09-949-016-9362	Sequence 9362, Ap
465	6	1.8	190	2	US-09-902-540-15188	Sequence 15188, A	538	6	1.8	238	2	US-09-252-991A-24386	Sequence 24386, A

539	6	1.8	238	2	US-10-101-464A-702	Sequence 702, App	612	6	1.8	269	2	US-09-533-480C-2	Sequence 2, Appli
540	6	1.8	238	2	US-09-935-338-233	Sequence 233, App	613	6	1.8	270	1	US-08-452-052-1	Sequence 1, Appli
541	6	1.8	239	2	US-09-532-856-10	Sequence 10, Appl	614	6	1.8	270	1	US-09-716-129-128	Sequence 128, App
542	6	1.8	239	2	US-09-524-100C-10	Sequence 10, Appl	615	6	1.8	271	1	US-08-447-554-4	Sequence 4, Appli
543	6	1.8	239	2	US-10-212-507-10	Sequence 10, Appl	616	6	1.8	271	1	US-08-448-160-4	Sequence 1, Appli
544	6	1.8	240	1	US-08-261-822A-79	Sequence 79, Appl	617	6	1.8	271	1	US-09-489-039A-11347	Sequence 11347, A
545	6	1.8	240	1	US-08-261-822A-79	Sequence 79, Appl	618	6	1.8	271	2	US-09-540-236-2326	Sequence 236, Ap
546	6	1.8	240	4	PCT-US95-0744A-79	Sequence 79, A	619	6	1.8	272	2	US-09-372-422A-26	Sequence 26, Appl
547	6	1.8	241	6	US-09-153-599A-5	Sequence 5, Appli	620	6	1.8	274	2	US-09-605-703B-1768	Sequence 1768, Ap
548	6	1.8	242	2	US-08-977-865-4	Sequence 4, Appli	621	6	1.8	275	2	US-09-270-767-3303	Sequence 3303, A
549	6	1.8	242	2	US-09-107-532A-6977	Sequence 6977, Ap	622	6	1.8	275	2	US-09-270-767-48250	Sequence 48250, A
550	6	1.8	243	2	US-09-134-000C-4849	Sequence 4849, Ap	623	6	1.8	277	1	US-08-762-129-5	Sequence 5, Appli
551	6	1.8	243	2	US-09-248-796A-16444	Sequence 16444, A	624	6	1.8	277	2	US-09-248-796A-24440	Sequence 24440, A
552	6	1.8	243	2	US-09-538-092-757	Sequence 757, App	625	6	1.8	277	2	US-09-949-016-6126	Sequence 6126, Ap
553	6	1.8	244	2	US-09-949-016-7557	Sequence 7557, Ap	626	6	1.8	279	2	US-09-107-433-3335	Sequence 3335, Ap
554	6	1.8	245	2	US-09-489-039A-11201	Sequence 11201, A	627	6	1.8	282	2	US-08-910-820-3	Sequence 3, Appli
555	6	1.8	245	2	US-09-583-110-3580	Sequence 3580, Ap	628	6	1.8	282	2	US-08-910-820-5	Sequence 5, Appli
556	6	1.8	246	2	US-09-605-703B-2872	Sequence 2872, Ap	629	6	1.8	282	2	US-08-844-908-3	Sequence 3, Appli
557	6	1.8	247	2	US-09-902-540-10732	Sequence 10732, A	630	6	1.8	282	2	US-09-844-908-5	Sequence 5, Appli
558	6	1.8	249	1	US-08-450-257-57	Sequence 57, Appl	631	6	1.8	283	2	US-09-252-991A-29465	Sequence 29465, A
559	6	1.8	249	1	US-08-450-257-57	Sequence 57, Appl	632	6	1.8	283	2	US-09-602-787A-588	Sequence 588, App
560	6	1.8	249	1	US-08-450-098-57	Sequence 57, Appl	633	6	1.8	284	2	US-09-522-714-24	Sequence 24, Appl
561	6	1.8	249	1	US-08-451-233-57	Sequence 57, Appl	634	6	1.8	285	2	US-09-270-767-59811	Sequence 5811, A
562	6	1.8	249	1	US-08-450-236-57	Sequence 57, Appl	635	6	1.8	286	1	US-08-872-784-3	Sequence 3, Appli
563	6	1.8	249	1	US-08-235-403-57	Sequence 57, Appl	636	6	1.8	286	1	US-09-100-851-3	Sequence 3, Appli
564	6	1.8	249	2	US-09-248-796A-16223	Sequence 16223, A	637	6	1.8	286	2	US-09-265-294-3	Sequence 3, Appli
565	6	1.8	249	2	US-09-763-620-33	Sequence 33, Appl	638	6	1.8	286	2	US-09-252-991A-29952	Sequence 29952, A
566	6	1.8	250	2	US-09-902-540-11565	Sequence 11565, A	639	6	1.8	286	2	US-09-489-039A-8008	Sequence 8008, Ap
567	6	1.8	251	2	US-09-540-824-9	Sequence 9, Appli	640	6	1.8	287	2	US-09-310-463-32	Sequence 32, Appl
568	6	1.8	252	2	US-09-540-824-1	Sequence 1, Appli	641	6	1.8	288	2	US-09-902-540-11058	Sequence 11058, A
569	6	1.8	252	2	US-09-489-039A-7755	Sequence 7755, Ap	642	6	1.8	290	2	US-09-643-596B-144	Sequence 144, App
570	6	1.8	253	2	US-09-949-016-7058	Sequence 7058, Ap	643	6	1.8	290	2	US-09-710-279-214	Sequence 214, App
571	6	1.8	254	2	US-09-328-352-5632	Sequence 5632, Ap	644	6	1.8	291	2	US-09-489-039A-13316	Sequence 13316, A
572	6	1.8	255	2	US-09-605-703B-244	Sequence 244, App	645	6	1.8	293	2	US-09-328-352-4692	Sequence 4692, Ap
573	6	1.8	256	2	US-09-252-991A-30474	Sequence 30474, A	646	6	1.8	293	2	US-09-902-540-4174	Sequence 16174, A
574	6	1.8	256	2	US-09-134-000C-6788	Sequence 6788, Ap	647	6	1.8	297	2	US-09-252-991A-16818	Sequence 16818, A
575	6	1.8	256	2	US-09-270-767-46799	Sequence 46799, A	648	6	1.8	297	2	US-09-252-991A-32590	Sequence 32590, A
576	6	1.8	257	2	US-09-964-956-85	Sequence 85, Appl	649	6	1.8	299	2	US-09-310-463-30	Sequence 30, Appl
577	6	1.8	257	2	US-09-372-422A-28	Sequence 28, Appl	650	6	1.8	299	2	US-09-651-200-15	Sequence 15, Appl
578	6	1.8	257	2	US-09-252-991A-21740	Sequence 21740, A	651	6	1.8	300	2	US-09-252-991A-19422	Sequence 19422, A
579	6	1.8	257	2	US-09-252-991A-26120	Sequence 26120, A	652	6	1.8	300	2	US-09-252-991A-25073	Sequence 25073, A
580	6	1.8	257	2	US-09-107-532A-5975	Sequence 5975, Ap	653	6	1.8	302	2	US-09-333-634-17	Sequence 17, Appl
581	6	1.8	258	2	US-09-543-681A-4613	Sequence 4613, Ap	654	6	1.8	302	2	US-09-702-705-806	Sequence 806, App
582	6	1.8	258	2	US-09-107-433-5123	Sequence 5123, Ap	655	6	1.8	302	2	US-09-736-457-806	Sequence 806, App
583	6	1.8	259	1	US-08-997-080-98	Sequence 98, Appl	656	6	1.8	302	2	US-09-252-991A-28202	Sequence 28202, A
584	6	1.8	259	1	US-08-997-362-98	Sequence 98, Appl	657	6	1.8	302	2	US-09-614-124B-806	Sequence 806, App
585	6	1.8	259	1	US-08-873-970-98	Sequence 98, Appl	658	6	1.8	302	2	US-09-671-325-806	Sequence 806, App
586	6	1.8	259	2	US-09-095-855-98	Sequence 98, Appl	659	6	1.8	302	2	US-09-589-184-806	Sequence 806, App
587	6	1.8	259	2	US-09-324-542-98	Sequence 98, Appl	660	6	1.8	302	2	US-09-658-824-806	Sequence 806, App
588	6	1.8	259	2	US-09-205-426-98	Sequence 98, Appl	661	6	1.8	302	2	US-09-248-796A-14483	Sequence 14483, A
589	6	1.8	260	2	US-08-081-929-10	Sequence 10, Appl	662	6	1.8	302	2	US-10-017-754-806	Sequence 806, App
590	6	1.8	260	2	US-09-540-236-2236	Sequence 2236, Ap	663	6	1.8	302	2	US-09-651-563-806	Sequence 806, App
591	6	1.8	260	2	US-10-000-954-10	Sequence 10, Appl	664	6	1.8	303	2	US-09-540-236-3012	Sequence 3012, Ap
592	6	1.8	260	2	US-09-605-703B-632	Sequence 632, App	665	6	1.8	306	2	US-09-252-991A-30119	Sequence 30119, A
593	6	1.8	261	2	US-09-902-540-13500	Sequence 13500, A	666	6	1.8	306	2	US-09-107-532A-5552	Sequence 5552, Ap
594	6	1.8	263	2	US-09-605-703B-242	Sequence 242, App	667	6	1.8	306	2	US-10-686-944-1	Sequence 1, Appli
595	6	1.8	264	2	US-09-053-187A-8	Sequence 8, Appli	668	6	1.8	306	2	US-10-686-944-2	Sequence 2, Appli
596	6	1.8	264	2	US-09-085-761A-8	Sequence 8, Appli	669	6	1.8	306	2	US-10-686-944-3	Sequence 3, Appli
597	6	1.8	264	2	US-09-107-532A-5290	Sequence 5290, Ap	670	6	1.8	306	2	US-10-686-944-4	Sequence 4, Appli
598	6	1.8	264	2	US-09-134-000C-5075	Sequence 5075, Ap	671	6	1.8	306	2	US-10-686-944-5	Sequence 5, Appli
599	6	1.8	264	2	US-09-830-807-14	Sequence 14, Appl	672	6	1.8	306	2	US-10-686-944-6	Sequence 6, Appli
600	6	1.8	265	1	US-08-468-763-19	Sequence 19, Appl	673	6	1.8	307	2	US-09-902-540-10066	Sequence 10066, A
601	6	1.8	265	1	US-08-393-996A-19	Sequence 19, Appl	674	6	1.8	308	2	US-09-595-186-3	Sequence 3, Appli
602	6	1.8	265	1	US-09-489-039A-8793	Sequence 8793, Ap	675	6	1.8	308	2	US-09-543-681A-4426	Sequence 4426, Ap
603	6	1.8	267	1	US-08-416-336-2	Sequence 2, Appli	676	6	1.8	308	2	US-09-993-525-3	Sequence 3, Appli
604	6	1.8	267	2	US-09-489-039A-9036	Sequence 9036, Ap	677	6	1.8	308	2	US-09-949-016-11042	Sequence 11042, A
605	6	1.8	267	2	US-09-540-236-3025	Sequence 3025, Ap	678	6	1.8	309	2	US-09-107-532A-6518	Sequence 6518, Ap
606	6	1.8	268	1	US-08-015-973-7	Sequence 7, Appli	679	6	1.8	309	2	US-09-540-236-3253	Sequence 3253, Ap
607	6	1.8	268	1	US-08-448-164-7	Sequence 7, Appli	680	6	1.8	312	1	US-08-094-128A-27	Sequence 27, Appl
608	6	1.8	268	2	US-08-081-929-7	Sequence 7, Appli	681	6	1.8	312	1	US-08-455-674-27	Sequence 27, Appl
609	6	1.8	268	2	US-09-252-991A-26485	Sequence 26485, A	682	6	1.8	312	1	US-08-455-992-27	Sequence 27, Appl
610	6	1.8	268	2	US-10-000-954-7	Sequence 7, Appli	683	6	1.8	312	1	US-08-455-992-27	Sequence 27, Appl
611	6	1.8	269	2	US-09-270-767-44079	Sequence 44079, A	684	6	1.8	312	2	US-09-599-360B-96	Sequence 96, Appl

685	6	1.8	312	2	US-09-252-991A-26762	Sequence 26762, A	758	6	1.8	317	1	US-08-802-322-13	Sequence 13, Appl
686	6	1.8	312	2	US-09-489-039A-13269	Sequence 13269, A	759	6	1.8	317	2	US-08-405-271A-24	Sequence 24, Appl
687	6	1.8	312	2	US-09-949-016-7257	Sequence 7257, Ap	760	6	1.8	317	2	US-09-252-991A-25606	Sequence 25606, A
688	6	1.8	312	4	PCT-US92-00652-27	Sequence 27, Appl	761	6	1.8	317	2	US-09-832-161-12	Sequence 12, Appl
689	6	1.8	313	2	US-10-324-316-22	Sequence 22, Appl	762	6	1.8	317	2	US-09-832-161-13	Sequence 13, Appl
690	6	1.8	313	2	US-09-991-181-97	Sequence 97, Appl	763	6	1.8	317	2	US-09-583-110-3894	Sequence 3894, Ap
691	6	1.8	313	2	US-09-990-444-97	Sequence 97, Appl	764	6	1.8	318	2	US-09-949-016-7384	Sequence 7384, Ap
692	6	1.8	313	2	US-09-997-333-97	Sequence 97, Appl	765	6	1.8	318	2	US-09-949-016-71586	Sequence 11586, A
693	6	1.8	313	2	US-09-992-598-97	Sequence 97, App	766	6	1.8	319	1	US-08-494-907-12	Sequence 5, Appl1
694	6	1.8	314	2	US-09-489-847-339	Sequence 339, App	767	6	1.8	319	2	US-08-994-305C-5	Sequence 24644, A
695	6	1.8	314	2	US-09-489-847-355	Sequence 355, App	768	6	1.8	319	2	US-09-395-861-5	Sequence 13275, A
696	6	1.8	314	2	US-09-270-767-59928	Sequence 59928, A	769	6	1.8	319	2	US-09-902-540-13275	Sequence 12, Appl1
697	6	1.8	315	2	US-09-252-991A-30534	Sequence 30534, A	770	6	1.8	319	4	PCT-US96-10986-12	Sequence 9, Appl1
698	6	1.8	317	1	US-08-466-337A-18	Sequence 18, Appl	771	6	1.8	350	2	US-09-161-241-9	Sequence 11, Appl1
699	6	1.8	317	1	US-08-475-359-18	Sequence 18, Appl	772	6	1.8	350	2	US-09-997-794A-236	Sequence 236, App
700	6	1.8	317	1	US-08-802-322-1	Sequence 1, Appl1	773	6	1.8	350	2	US-09-905-125A-236	Sequence 236, App
701	6	1.8	317	2	US-08-465-887A-18	Sequence 18, Appl	774	6	1.8	350	2	US-09-902-775A-236	Sequence 236, App
702	6	1.8	317	2	US-08-895-601-7	Sequence 7, Appl1	775	6	1.8	350	2	US-09-710-279-3128	Sequence 3128, Ap
703	6	1.8	317	2	US-09-349-627-1	Sequence 1, Appl1	776	6	1.8	350	2	US-09-906-700-236	Sequence 236, App
704	6	1.8	317	2	US-08-910-820-1	Sequence 1, Appl1	777	6	1.8	350	2	US-09-904-462-236	Sequence 236, App
705	6	1.8	317	2	US-09-252-991A-26657	Sequence 26657, A	778	6	1.8	350	2	US-09-904-920A-236	Sequence 236, App
706	6	1.8	317	2	US-09-328-352-6383	Sequence 6383, Ap	779	6	1.8	350	2	US-09-906-624-236	Sequence 236, App
707	6	1.8	317	2	US-09-844-908-1	Sequence 1, Appl1	780	6	1.8	350	2	US-09-905-381A-236	Sequence 236, App
708	6	1.8	317	2	US-09-832-161-1	Sequence 1, Appl1	781	6	1.8	350	2	US-09-906-618-236	Sequence 236, App
709	6	1.8	317	2	US-09-270-767-44383	Sequence 44383, A	782	6	1.8	350	2	US-09-906-646-236	Sequence 236, App
710	6	1.8	317	2	US-10-052-005A-9	Sequence 9, Appl1	783	6	1.8	350	2	US-09-904-462-236	Sequence 236, App
711	6	1.8	317	2	US-09-949-016-6969	Sequence 6969, Ap	784	6	1.8	350	2	US-09-902-732A-236	Sequence 236, App
712	6	1.8	318	1	US-09-027-013-4	Sequence 4, Appl1	785	6	1.8	350	2	US-09-906-722A-236	Sequence 236, App
713	6	1.8	318	2	US-09-244-233-4	Sequence 4, Appl1	786	6	1.8	351	1	US-08-843-5308-31	Sequence 31, Appl
714	6	1.8	318	2	US-09-902-540-10266	Sequence 10266, A	787	6	1.8	351	2	US-08-836-128-28	Sequence 28, Appl
715	6	1.8	322	2	US-09-902-540-15719	Sequence 15719, A	788	6	1.8	351	2	US-09-583-110-4997	Sequence 4997, Ap
716	6	1.8	322	2	US-09-710-279-2952	Sequence 94, Appl	789	6	1.8	354	2	US-09-902-540-11931	Sequence 11931, A
717	6	1.8	327	2	US-09-599-3608-12	Sequence 12, Appl	790	6	1.8	354	2	US-09-799-875-8	Sequence 8, Appl1
718	6	1.8	327	2	US-09-513-999C-12	Sequence 12, Appl	791	6	1.8	358	2	US-09-909-474D-2	Sequence 2, Appl1
719	6	1.8	327	2	US-09-471-276-12	Sequence 12, Appl	792	6	1.8	358	2	US-09-909-474D-8	Sequence 8, Appl1
720	6	1.8	327	2	US-10-012-231A-17	Sequence 17, Appl	793	6	1.8	358	2	US-08-637-670-37	Sequence 37, Appl
721	6	1.8	327	2	US-10-015-389A-17	Sequence 17, Appl	794	6	1.8	359	2	US-09-543-681A-6815	Sequence 6815, Ap
722	6	1.8	327	2	US-09-903-190-94	Sequence 94, Appl	795	6	1.8	359	2	US-09-107-433-2619	Sequence 2619, Ap
723	6	1.8	327	2	US-10-006-768A-17	Sequence 17, Appl	796	6	1.8	360	2	US-09-509-902A-9	Sequence 9, Appl1
724	6	1.8	327	2	US-10-015-671A-17	Sequence 17, Appl	797	6	1.8	360	2	US-09-949-016-8482	Sequence 8482, Ap
725	6	1.8	327	2	US-10-015-393A-17	Sequence 17, Appl	798	6	1.8	360	2	US-10-024-828-9	Sequence 9, Appl1
726	6	1.8	327	2	US-10-011-833A-17	Sequence 17, Appl	799	6	1.8	360	2	US-09-909-474D-11	Sequence 11, Appl
727	6	1.8	327	2	US-10-006-041A-17	Sequence 17, Appl	800	6	1.8	361	2	US-09-270-767-66761	Sequence 46761, A
728	6	1.8	327	2	US-10-012-064A-17	Sequence 17, Appl	801	6	1.8	361	2	US-08-845-742-2	Sequence 2, Appl1
729	6	1.8	329	2	US-09-902-540-9788	Sequence 9788, Ap	802	6	1.8	363	1	US-09-967-908A-10	Sequence 10, Appl
730	6	1.8	329	2	US-09-134-001C-5254	Sequence 5254, Ap	803	6	1.8	363	2	US-10-159-151-10	Sequence 8, Appl1
731	6	1.8	331	2	US-09-270-767-44487	Sequence 44487, A	804	6	1.8	363	2	US-09-967-908A-10	Sequence 10, Appl
732	6	1.8	333	2	US-09-902-540-11426	Sequence 11426, A	805	6	1.8	365	2	US-09-043-637-8	Sequence 8, Appl1
733	6	1.8	335	2	US-08-836-500A-2	Sequence 2, Appl1	806	6	1.8	365	2	US-09-252-991A-18404	Sequence 18404, A
734	6	1.8	335	2	US-09-248-796A-20236	Sequence 20236, A	807	6	1.8	365	2	US-09-669-476-8	Sequence 8, Appl1
735	6	1.8	335	2	US-09-679-750-2	Sequence 2, Appl1	808	6	1.8	366	2	US-09-176-657-2	Sequence 2, Appl1
736	6	1.8	336	1	US-08-997-080-156	Sequence 156, App	809	6	1.8	366	2	US-09-421-299-2	Sequence 2, Appl1
737	6	1.8	336	1	US-08-997-362-156	Sequence 156, App	810	6	1.8	368	2	US-09-949-016-7640	Sequence 7640, Ap
738	6	1.8	336	2	US-09-095-855-156	Sequence 156, App	811	6	1.8	371	1	US-08-446-363-14	Sequence 14, Appl
739	6	1.8	336	2	US-09-270-767-42608	Sequence 42608, A	812	6	1.8	371	2	US-08-446-363-14	Sequence 14, Appl
740	6	1.8	336	2	US-09-902-540-12264	Sequence 12264, A	813	6	1.8	373	1	US-09-967-908A-4	Sequence 4, Appl1
741	6	1.8	337	2	US-08-448-722A-2	Sequence 2, Appl1	814	6	1.8	373	2	US-09-489-039A-10382	Sequence 10382, A
742	6	1.8	337	2	US-08-189-309B-2	Sequence 2, Appl1	815	6	1.8	373	2	US-09-248-796A-18417	Sequence 18417, A
743	6	1.8	337	2	US-08-189-309B-2	Sequence 2, Appl1	816	6	1.8	373	2	US-10-159-151-4	Sequence 4, Appl1
744	6	1.8	338	2	US-09-303-518D-684	Sequence 684, App	817	6	1.8	373	2	US-09-949-016-10517	Sequence 10517, A
745	6	1.8	338	2	US-09-303-518D-688	Sequence 688, App	818	6	1.8	373	2	US-09-603-208A-174	Sequence 174, App
746	6	1.8	339	2	US-10-169-048-40	Sequence 40, Appl	819	6	1.8	373	2	US-09-914-039A-128076	Sequence 128076, A
747	6	1.8	340	2	US-09-252-991A-18833	Sequence 18833, A	820	6	1.8	373	2	US-09-252-991A-18833	Sequence 28833, A
748	6	1.8	340	2	US-09-949-016-10901	Sequence 10901, A	821	6	1.8	374	2	US-09-949-016-7857	Sequence 7857, Ap
749	6	1.8	340	2	US-09-252-991A-17319	Sequence 17319, A	822	6	1.8	375	2	US-09-949-016-7857	Sequence 7857, Ap
750	6	1.8	341	2	US-09-967-908A-8	Sequence 8, Appl1	823	6	1.8	375	2	US-09-949-016-7857	Sequence 7857, Ap
751	6	1.8	343	2	US-09-252-991A-17319	Sequence 8, Appl1	824	6	1.8	375	2	US-09-949-016-7857	Sequence 7857, Ap
752	6	1.8	343	2	US-10-159-151-8	Sequence 8, Appl1	825	6	1.8	377	2	US-10-239-333B-2	Sequence 2, Appl
753	6	1.8	343	2	US-08-475-634D-19	Sequence 19, Appl	826	6	1.8	377	2	US-09-949-016-7408	Sequence 7408, Ap
754	6	1.8	344	1	US-09-110-116-4	Sequence 4, Appl1	827	6	1.8	378	2	US-10-239-333B-4	Sequence 4, Appl1
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756	6	1.8	344	1	US-08-802-322-12	Sequence 12, Appl	829	6	1.8	379	2	US-09-252-991A-31643	Sequence 31643, A
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833	6	1.8	380	2	US-09-299-843A-40	Sequence 40, Appl	906	6	1.8	415	2	US-09-907-794A-104	Sequence 104, Appl
834	6	1.8	380	2	US-09-088-337B-40	Sequence 40, Appl	907	6	1.8	415	2	US-09-905-125A-104	Sequence 104, Appl
835	6	1.8	380	2	US-09-149-045-2	Sequence 2, Appl	908	6	1.8	415	2	US-09-902-775A-104	Sequence 104, Appl
836	6	1.8	380	2	US-09-255-518C-3	Sequence 3, Appl	909	6	1.8	415	2	US-09-906-700-104	Sequence 104, Appl
837	6	1.8	380	2	US-09-170-496D-62	Sequence 62, Appl	910	6	1.8	415	2	US-09-903-603A-104	Sequence 104, Appl
838	6	1.8	380	2	US-09-170-496D-198	Sequence 198, Appl	911	6	1.8	415	2	US-09-904-920A-104	Sequence 104, Appl
839	6	1.8	380	4	PCT-US93-1153-40	Sequence 40, Appl	912	6	1.8	415	2	US-09-909-064-104	Sequence 104, Appl
840	6	1.8	381	2	US-09-967-908A-6	Sequence 6, Appl	913	6	1.8	415	2	US-09-905-381A-104	Sequence 104, Appl
841	6	1.8	381	2	US-10-159-151-6	Sequence 6, Appl	914	6	1.8	415	2	US-09-906-618-104	Sequence 104, Appl
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847	6	1.8	385	2	US-09-489-039A-7451	Sequence 7451, Ap	920	6	1.8	417	2	US-09-107-532A-4603	Sequence 104, Appl
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849	6	1.8	387	2	US-09-563-269-2	Sequence 2, Appl	922	6	1.8	418	2	US-09-355-700-13	Sequence 13, Appl
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851	6	1.8	387	2	US-09-643-596B-136	Sequence 136, App	924	6	1.8	418	2	US-09-534-376A-13	Sequence 13, Appl
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853	6	1.8	389	2	US-09-489-039A-8107	Sequence 8107, Ap	926	6	1.8	420	2	US-09-543-681A-8165	Sequence 8165, Ap
854	6	1.8	389	2	US-09-605-703B-630	Sequence 630, App	927	6	1.8	422	1	US-08-403-852D-17	Sequence 17, Appl
855	6	1.8	390	2	US-08-977-865-2	Sequence 2, Appl	928	6	1.8	422	2	US-08-510-646B-18	Sequence 18, Appl
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857	6	1.8	390	2	US-09-252-991A-27764	Sequence 27764, A	930	6	1.8	422	2	US-09-625-188-12	Sequence 12, Appl
858	6	1.8	393	2	US-09-260-843-2	Sequence 2, Appl	931	6	1.8	422	2	US-09-489-039A-10905	Sequence 10905, A
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866	6	1.8	394	2	US-09-589-184-827	Sequence 827, App	939	6	1.8	427	2	US-09-949-016-11178	Sequence 11178, A
867	6	1.8	394	2	US-09-614-124B-805	Sequence 805, App	940	6	1.8	428	2	US-09-489-039A-10901	Sequence 10901, A
868	6	1.8	394	2	US-09-614-124B-827	Sequence 827, App	941	6	1.8	431	2	US-09-328-352-4236	Sequence 4236, Ap
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876	6	1.8	394	2	US-10-017-754-827	Sequence 827, App	949	6	1.8	438	2	US-09-339-838-5	Sequence 5, Appl
877	6	1.8	394	2	US-09-651-563-805	Sequence 805, App	950	6	1.8	438	2	US-09-339-838-7	Sequence 7, Appl
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894	6	1.8	410	2	US-09-101-068-4	Sequence 4, Appl	967	6	1.8	451	2	US-09-543-681A-6572	Sequence 6572, Ap
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896	6	1.8	410	2	US-09-712-363-173	Sequence 173, App	969	6	1.8	452	2	US-09-463-712C-8	Sequence 8, Appl
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902	6	1.8	415	2	US-09-033-523-2	Sequence 2, Appl	975	6	1.8	460	1	US-09-647-540A-2	Sequence 2, Appl
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982	6	1.8	461	1	US-08-330-283-2	Sequence 2, Appli	1055	6	1.8	516	2	US-08-745-404-2	Sequence 2, Appli
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995	6	1.8	465	2	US-10-107-576-8	Sequence 8, Appli	1068	6	1.8	539	2	US-09-252-991A-21335	Sequence 21335, A
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1000	6	1.8	465	2	US-10-104-047-2590	Sequence 2590, Ap	1073	6	1.8	547	2	US-08-930-001-2	Sequence 2, Appli
1001	6	1.8	465	4	PCT-US93-08386-5	Sequence 5, Appli	1074	6	1.8	547	2	US-09-489-039A-12089	Sequence 12089, A
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1005	6	1.8	472	2	US-09-902-540-11899	Sequence 11899, A	1078	6	1.8	550	2	US-09-198-452A-557	Sequence 557, App
1006	6	1.8	473	4	PCT-US93-08386-9	Sequence 9, Appli	1079	6	1.8	550	2	US-09-438-185A-518	Sequence 518, App
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1008	6	1.8	475	2	US-09-248-796A-20067	Sequence 20067, A	1081	6	1.8	552	2	US-08-745-404-3	Sequence 3, Appli
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1031	6	1.8	494	2	US-09-949-002-462	Sequence 462, App	1104	6	1.8	583	2	US-09-401-476-2	Sequence 2, Appli
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1307	6	1.8	802	2	US-10-020-445A-169	Sequence 169, App	1380	6	1.8	884	1	US-08-982-412-2	Sequence 2, Appl
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1314	6	1.8	814	2	US-09-489-039A-11276	Sequence 11276, A	1387	6	1.8	901	2	US-09-538-092-826	Sequence 3782, App
1315	6	1.8	818	2	US-10-104-047-3546	Sequence 2546, Ap	1388	6	1.8	905	2	US-09-134-001C-7782	Sequence 3782, App
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1321	6	1.8	818	2	US-10-104-047-3546	Sequence 2546, Ap	1394	6	1.8	923	2	US-09-270-767-45953	Sequence 45953, A
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1323	6	1.8	822	2	US-08-684-932A-38	Sequence 38, Appl	1396	6	1.8	924	2	US-09-248-796A-18798	Sequence 18798, A
1324	6	1.8	822	2	US-09-618-304B-2	Sequence 2, Appl	1397	6	1.8	947	2	US-09-416-780A-1	Sequence 1, Appl
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1329	6	1.8	830	2	US-09-107-433-4309	Sequence 4309, Ap	1402	6	1.8	966	2	US-09-902-540-14084	Sequence 14084, A
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1333	6	1.8	833	1	US-08-083-550A-2	Sequence 2, Appl	1406	6	1.8	979	2	US-09-438-185A-455	Sequence 456, App
1334	6	1.8	833	1	US-08-465-500-6	Sequence 6, Appl	1407	6	1.8	989	2	US-09-248-796A-16973	Sequence 16973, A
1335	6	1.8	833	1	US-08-346-126-6	Sequence 6, Appl	1408	6	1.8	1024	2	US-09-562-737-90	Sequence 90, Appl
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1478	6	1.8	1189	1	US-08-980-071-2
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Sequence 4,	Appl

Query Match	Best Local Similarity	100.0%; Score 337; DB 2; Length 337;	Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 2
US-10-015-389A-423
Sequence 423. Application US/10015389A
Patent No. 6936436
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
* FILE REFERENCE: P2830P1C48
CURRENT APPLICATION NUMBER: US/10/015,389A
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 423
LENGTH: 337
TYPE: PRT
ORGANISM: Homo sapiens
US-10-015-389A-423

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RESULT3
US-10-006-768A-423
; Sequence 423, Application US/10006768A
; Patent No. 6936697
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

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APPLICANT: Botstein, David
APPLICANT: Deanyers, Luc
APPLICANT: Eaton, Dan I.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C10
CURRENT APPLICATION NUMBER: US/10/006,768A
CURRENT FILING DATE: 2002-03-05
NUMBER OF SEQ ID NOS: 477
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 423
LENGTH: 337
TYPE: PRT
ORGANISM: Homo sapiens
US-10-006-768A-423

Query Match 100.0%; Score 337, DB 2; Length 337;
Best Local Similarity 100.0%; Pred. NO.1,4e-106;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 4
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; Sequence 423: Application US/10015671A
; Patent No. 6946563
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botschein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gunney, Austin B.
; APPLICANT: Hillan, Kenneth U.
; APPLICANT: Pan, James

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: APPLICANT: Paoni, Nicholas F.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: P2830P1C47
: CURRENT FILING DATE: 2001-12-11
: PRIOR APPLICATION removed - See File Wrapper or Palm
: SEQ ID NO 423
: LENGTH: 337
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-015-671A-423

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Best Local Similarity 100.0%; Pred. No. 1,4e-306;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
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: Sequence 423, Application US/10015393A
: Patent No. 6951737
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Botstein, David
: APPLICANT: Deenoyers, Luc
: APPLICANT: Baton, Dan I.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: P2830P1C46
: CURRENT FILING DATE: 2002-06-10
: PRIOR APPLICATION removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 477
: SEQ ID NO 423
: LENGTH: 337
: TYPE: PRT
: ORGANISM: Homo sapiens
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US-10-015-393A-423

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RESULT 6
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: Sequence 423, Application US/10011833A
: Patent No. 6951920
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Botstein, David
: APPLICANT: Deenoyers, Luc
: APPLICANT: Baton, Dan I.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: P2830P1C22
: CURRENT FILING DATE: 2002-06-25
: PRIOR APPLICATION removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 477
: SEQ ID NO 423
: LENGTH: 337
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-011-833A-423

Query Match      100.0%; Score 337; DB 2; Length 337;
Best Local Similarity 100.0%; Pred. No. 1,4e-306;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 9
US-08-481-658B-54
; Sequence 54, Application US/08481658B
; Patent No. 5955075
; GENERAL INFORMATION:
; APPLICANT: Zavada, Jan
; APPLICANT: Pastorekova, Silvia
; APPLICANT: Pastorek, Jaromir
; TITLE OF INVENTION: MN Gene and Protein
; NUMBER OF SEQUENCES: 86
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Leona L. Lauder
; STREET: 6 Mariposa Court
; CITY: Tiburon
; STATE: California
; COUNTRY: USA
; ZIP: 94920
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481.658B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/260,190
; FILING DATE: 15-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Lauder, Leona L.
; REGISTRATION NUMBER: 30,863
; REFERENCE/DOCKET NUMBER: D-0021.3B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-435-2034
; TELEFAX: 415-435-0727
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 170 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-481-658B-54

Query Match 2.4%; Score 8; DB 1; Length 170;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221
Db 109 GSLTTPPC 116

RESULT 10
US-08-477-504A-54
; Sequence 54, Application US/08477504A
; Patent No. 5972353
; GENERAL INFORMATION:

; APPLICANT: Zavada, Jan
; APPLICANT: Pastorekova, Silvia
; APPLICANT: Pastorek, Jaromir
; TITLE OF INVENTION: MN Gene and Protein
; NUMBER OF SEQUENCES: 86
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Leona L. Lauder
; STREET: 6 Mariposa Court
; CITY: Tiburon
; STATE: California
; COUNTRY: USA
; ZIP: 94920
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477.504A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/260,190
; FILING DATE: 15-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Lauder, Leona L.
; REGISTRATION NUMBER: 30,863
; REFERENCE/DOCKET NUMBER: D-0021.3D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-435-2034
; TELEFAX: 415-435-0727
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 170 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-477-504A-54

Query Match 2.4%; Score 8; DB 1; Length 170;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221
Db 109 GSLTTPPC 116

RESULT 11
US-08-486-756A-54
; Sequence 54, Application US/08486756A
; Patent No. 5981711
; GENERAL INFORMATION:
; APPLICANT: Zavada, Jan
; APPLICANT: Pastorekova, Silvia
; APPLICANT: Pastorek, Jaromir
; TITLE OF INVENTION: MN Gene and Protein
; NUMBER OF SEQUENCES: 86
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Leona L. Lauder
; STREET: 6 Mariposa Court
; CITY: Tiburon
; STATE: California
; COUNTRY: USA
; ZIP: 94920
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486.756A
; FILING DATE: 07-JUN-1995

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0021.3C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-435-2034
TELEFAX: 415-435-0727
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 170 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-486-756A-54

Query Match 2.4%; Score 8; DB 1; Length 170;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221
Db 109 GSLTTPPC 116

RESULT 12
US-08-485-862B-54
Sequence 54, Application US/08485862B
Patent No. 5989838
GENERAL INFORMATION:
APPLICANT: Zavada, Jan
APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek, Jaromir
TITLE OF INVENTION: MN Gene and Protein
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leona L. Lauder
STREET: 6 Mariposa Court
CITY: Tiburon
STATE: California
COUNTRY: USA
ZIP: 94920
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,862B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/477,504
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0021.3D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-435-2034
TELEFAX: 415-435-0727
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 170 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-485-862B-54

Query Match 2.4%; Score 8; DB 1; Length 170;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221
Db 109 GSLTTPPC 116

RESULT 13
US-08-487-077A-54
Sequence 54, Application US/08487077A
Patent No. 6069242
GENERAL INFORMATION:
APPLICANT: Zavada, Jan
APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek, Jaromir
TITLE OF INVENTION: MN Gene and Protein
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leona L. Lauder
STREET: 6 Mariposa Court
CITY: Tiburon
STATE: California
COUNTRY: USA
ZIP: 94920
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,077A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0021.3H
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-435-0727
TELEFAX: 415-435-2034
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 170 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-487-077A-54

Query Match 2.4%; Score 8; DB 2; Length 170;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221
Db 109 GSLTTPPC 116

RESULT 14
US-08-485-863A-54
Sequence 54, Application US/08485863A
Patent No. 6093548
GENERAL INFORMATION:
APPLICANT: Zavada, Jan
APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek, Jaromir
TITLE OF INVENTION: MN Gene and Protein
NUMBER OF SEQUENCES: 86

CORRESPONDENCE ADDRESS:
ADDRESSEE: Leona L. Lauder
STREET: 6 Mariposa Court
CITY: Tiburon
STATE: California
COUNTRY: USA
ZIP: 94920
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,863A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0021.3G
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-435-2034
TELEFAX: 415-435-0727
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 170 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-485-863A-54

Query Match 2.4%; Score 8; DB 2; Length 170;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221
Db 109 GSLTTPPC 116

RESULT 15
US-08-485-049D-54
Sequence 54, Application US/08485049D
Patent No. 6204370
GENERAL INFORMATION:
APPLICANT: Zavada, Jan
APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek, Jaromir
TITLE OF INVENTION: MN Gene and Protein
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leona L. Lauder
STREET: 369 Pine Street
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,049D
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:

NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0021.3E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-981-2034
TELEFAX: 415-981-0332
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 170 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-485-049D-54

Query Match 2.4%; Score 8; DB 2; Length 170;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221
Db 109 GSLTTPPC 116

Search completed: March 7, 2006, 13:10:57
Job time : 37 secs

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OM protein - protein search, using sw model

Run on: March 7, 2006, 13:09:15 ; Search time 47 Seconds
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Title: US-10-063-584-74
Perfect score: 1779
Sequence: 1 MLPSALLLEVIWLAADGQ.....KRLNRSVVTSAQTTEA 337

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Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
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Post-processing: Minimum Match 100%
Listing first 1500 summaries

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Issued Patents AA: *
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2: /cgn2_6/ptodata/1/iaa/H_COMB.pep: *
3: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep: *
4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep: *
5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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6	1779	100.0	337	2	US-10-011-833A-423
7	1779	100.0	337	2	US-10-006-041A-423
8	1779	100.0	337	2	US-10-012-064A-423
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10	696.5	39.2	354	1	US-08-776-088-2
11	696.5	39.2	354	1	US-08-776-088-6
12	696.5	39.2	354	2	US-09-325-320-2
13	696.5	39.2	354	2	US-09-585-109-2
14	696.5	39.2	354	2	US-09-949-016-6043
15	696.5	39.2	354	4	PCT-US95-09145A-6
16	696.5	39.2	354	4	PCT-US95-09145A-6
17	696.5	39.2	354	2	US-09-949-016-9900
18	691.5	38.9	325	1	US-08-276-919-4
19	691.5	38.9	325	4	PCT-US95-09145A-4
20	691.5	38.9	325	4	US-08-276-919-13
21	689.5	38.8	325	1	US-08-776-088-18
22	689.5	38.8	325	4	PCT-US95-09145A-18
23	689.5	38.8	325	4	US-08-776-088-15
24	654.5	36.8	274	4	PCT-US95-09145A-15
25	648.5	36.5	271	1	US-08-276-919-10
26	648.5	36.5	271	1	US-08-776-088-13
27	648.5	36.5	271	1	US-08-776-088-13

28	648.5	36.5	271	4	PCT-US95-09145A-13	Sequence 13, Appl
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31	562	31.6	459	1	US-08-481-658B-2	Sequence 2, Appl
32	562	31.6	459	1	US-08-477-504A-2	Sequence 2, Appl
33	562	31.6	459	1	US-08-486-756A-2	Sequence 2, Appl
34	562	31.6	459	1	US-08-485-862B-2	Sequence 2, Appl
35	562	31.6	459	2	US-08-787-739-2	Sequence 2, Appl
36	562	31.6	459	2	US-08-487-077A-2	Sequence 2, Appl
37	562	31.6	459	2	US-08-485-863A-2	Sequence 2, Appl
38	562	31.6	459	2	US-08-485-049D-2	Sequence 2, Appl
39	562	31.6	459	2	US-09-178-115-2	Sequence 2, Appl
40	562	31.6	459	2	US-09-177-776-2	Sequence 2, Appl
41	562	31.6	459	2	US-09-772-719B-2	Sequence 6, Appl
42	562	31.6	459	2	US-08-260-190-6	Sequence 6042, Ap
43	562	31.6	459	2	US-09-949-016-6042	Sequence 10203, A
44	562	31.6	473	2	US-09-949-016-10203	Sequence 87, Appl
45	535	30.1	377	2	US-08-787-739-87	Sequence 87, Appl
46	535	30.1	377	2	US-09-178-115-87	Sequence 87, Appl
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52	533.5	30.0	256	2	US-08-487-077A-51	Sequence 51, Appl
53	533.5	30.0	256	2	US-08-485-863A-51	Sequence 51, Appl
54	533.5	30.0	256	2	US-08-485-049D-51	Sequence 51, Appl
55	533.5	30.0	256	2	US-09-772-719B-51	Sequence 51, Appl
56	533.5	30.0	257	2	US-08-787-739-51	Sequence 51, Appl
57	533.5	30.0	257	2	US-09-178-115-51	Sequence 51, Appl
58	533.5	30.0	257	2	US-09-177-776-51	Sequence 51, Appl
59	519.5	29.2	262	1	US-08-015-986A-11	Sequence 11, Appl
60	519.5	29.2	262	1	US-08-446-363-11	Sequence 11, Appl
61	493	27.7	262	1	US-08-015-973-8	Sequence 8, Appl
62	493	27.7	262	1	US-08-448-164-8	Sequence 8, Appl
63	493	27.7	262	2	US-08-081-929-8	Sequence 8, Appl
64	493	27.7	262	2	US-10-000-954-8	Sequence 8, Appl
65	458.5	25.8	1442	1	US-08-015-986A-3	Sequence 3, Appl
66	458.5	25.8	1442	1	US-08-446-363-3	Sequence 3, Appl
67	451.5	25.4	1445	1	US-08-015-986A-2	Sequence 2, Appl
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69	439.5	24.7	267	1	US-08-015-973-3	Sequence 3, Appl
70	439.5	24.7	267	1	US-08-448-164-3	Sequence 3, Appl
71	439.5	24.7	267	2	US-08-081-929-3	Sequence 3, Appl
72	439.5	24.7	267	2	US-10-000-954-3	Sequence 3, Appl
73	421	23.7	287	2	US-09-949-016-10412	Sequence 10412, A
74	420	23.6	259	1	US-08-015-973-5	Sequence 5, Appl
75	420	23.6	259	1	US-08-448-164-5	Sequence 5, Appl
76	420	23.6	259	2	US-08-081-929-5	Sequence 5, Appl
77	420	23.6	259	2	US-10-000-954-5	Sequence 5, Appl
78	420	23.6	260	1	US-08-015-986A-9	Sequence 9, Appl
79	420	23.6	260	1	US-08-446-363-9	Sequence 9, Appl
80	420	23.6	260	2	US-08-927-128-4	Sequence 4, Appl
81	420	23.6	260	2	US-09-976-594-444	Sequence 644, App
82	414	23.3	429	1	US-07-964-589-2	Sequence 2, Appl
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84	411	23.1	264	2	US-09-949-016-6599	Sequence 6599, Ap
85	410	23.0	288	1	US-08-595-868C-12	Sequence 12, Appl
86	410	23.0	288	2	US-09-139-819A-12	Sequence 12, Appl
87	410	23.0	288	2	US-09-750-913A-12	Sequence 10, Appl
88	406	22.8	259	2	US-08-015-986A-10	Sequence 10, Appl
89	406	22.8	259	1	US-08-015-973-6	Sequence 6, Appl
90	406	22.8	259	1	US-08-446-363-10	Sequence 10, Appl
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92	406	22.8	259	2	US-08-081-929-6	Sequence 6, Appl
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94	406	22.8	364	2	US-09-949-016-8113	Sequence 8113, Ap
95	405	22.8	421	2	US-09-938-270B-1	Sequence 1, Appl
96	393	22.1	261	1	US-08-015-973-9	Sequence 9, Appl
97	393	22.1	261	1	US-08-448-164-9	Sequence 9, Appl
98	393	22.1	261	2	US-08-081-929-9	Sequence 9, Appl
99	393	22.1	261	2	US-10-000-954-9	Sequence 9, Appl
100	387	21.8	288	2	US-09-949-016-8850	Sequence 8850, Ap

101	385.5	21.7	170	1	US-08-481-658B-54	Sequence 54, Appl	174	97	5.5	5.18	2	US-09-521-109-19	Sequence 19, Appl
102	385.5	21.7	170	1	US-08-477-504A-54	Sequence 54, Appl	175	97	5.5	5.18	2	US-09-562-332-19	Sequence 15, Appl
103	385.5	21.7	170	1	US-08-486-756A-54	Sequence 54, Appl	176	97	5.5	5.18	2	US-08-974-180-15	Sequence 15, Appl
104	385.5	21.7	170	1	US-08-485-862B-54	Sequence 54, Appl	177	97	5.5	5.18	2	US-09-248-796A-16089	Sequence 16089, A
105	385.5	21.7	170	2	US-08-487-077A-54	Sequence 54, Appl	178	96	5.4	374	2	US-09-638-937-2	Sequence 2, Appl
106	385.5	21.7	170	2	US-08-485-863A-54	Sequence 54, Appl	179	95.5	5.4	346	2	US-09-270-767-45452	Sequence 45452, A
107	385.5	21.7	170	2	US-08-485-049D-54	Sequence 54, Appl	180	95	5.3	810	2	US-09-538-092-1275	Sequence 1275, Ap
108	385.5	21.7	170	2	US-08-772-719B-54	Sequence 54, Appl	181	95	5.3	953	2	US-09-845-583A-4	Sequence 4, Appl
109	380.5	21.4	260	1	US-08-015-973-4	Sequence 4, Appl	182	95	5.3	953	2	US-10-037-417-50	Sequence 50, Appl
110	380.5	21.4	260	1	US-08-448-164-4	Sequence 4, Appl	183	95	5.3	1634	2	US-10-037-417-49	Sequence 49, Appl
111	380.5	21.4	260	2	US-08-081-929-4	Sequence 4, Appl	184	95	5.3	3695	2	US-10-037-182-2	Sequence 2, Appl
112	380.5	21.4	260	2	US-10-000-954-4	Sequence 4, Appl	185	93	5.2	908	2	US-10-037-417-4	Sequence 4, Appl
113	380.5	21.4	261	1	US-08-015-986A-8	Sequence 8, Appl	186	93	5.2	1640	2	US-10-037-417-8	Sequence 8, Appl
114	380.5	21.4	261	1	US-08-446-363-8	Sequence 8, Appl	187	92	5.1	736	2	US-09-252-991A-29228	Sequence 2228, A
115	380.5	21.4	261	2	US-09-802-674-4	Sequence 4, Appl	188	91	5.1	544	2	US-09-087-134-11	Sequence 11, Appl
116	374.5	21.1	260	2	US-08-081-929-10	Sequence 10, Appl	189	91	5.1	694	2	US-09-328-352-7276	Sequence 7276, Ap
117	374.5	21.1	260	2	US-10-000-954-10	Sequence 10, Appl	190	89	5.0	560	2	US-09-139-064-6	Sequence 6, Appl
118	373	21.0	268	1	US-08-015-973-7	Sequence 7, Appl	191	89	5.0	560	2	US-09-487-370-6	Sequence 6, Appl
119	373	21.0	268	1	US-08-448-164-7	Sequence 7, Appl	192	89	5.0	560	2	US-09-248-796A-22980	Sequence 22980, A
120	373	21.0	268	2	US-08-081-929-7	Sequence 7, Appl	193	88	4.9	328	2	US-09-489-847-310	Sequence 310, Ap
121	373	21.0	268	2	US-10-000-954-7	Sequence 7, Appl	194	87.5	4.9	424	2	US-10-029-180-104	Sequence 24, Appl
122	365	20.5	373	1	US-08-015-986A-14	Sequence 14, Appl	195	87.5	4.9	624	2	US-09-877-730-24	Sequence 22, Appl
123	365	20.5	373	1	US-08-446-363-14	Sequence 14, Appl	196	87.5	4.9	712	2	US-09-877-730-22	Sequence 28, Appl
124	365	20.5	2308	1	US-08-015-973-1	Sequence 1, Appl	197	87.5	4.9	793	2	US-09-877-730-12	Sequence 12, Appl
125	365	20.5	2308	1	US-08-448-164-1	Sequence 1, Appl	198	87.5	4.9	991	2	US-09-877-730-28	Sequence 2, Appl
126	365	20.5	2308	2	US-08-081-929-2	Sequence 2, Appl	199	87.5	4.9	1069	2	US-09-877-730-18	Sequence 18, Appl
127	365	20.5	2308	2	US-10-000-954-2	Sequence 2, Appl	200	87.5	4.9	1072	2	US-09-877-730-8	Sequence 8, Appl
128	365	20.5	2314	2	US-09-816-703A-2	Sequence 2, Appl	201	87.5	4.9	1150	2	US-08-807-661A-56	Sequence 56, Appl
129	363	20.4	344	2	US-09-270-767-41438	Sequence 41438, A	202	86.5	4.9	307	1	US-08-946-719A-56	Sequence 56, Appl
130	362	20.3	266	1	US-08-015-986A-12	Sequence 12, Appl	203	86.5	4.9	307	2	US-09-210-681-56	Sequence 56, Appl
131	362	20.3	266	1	US-08-446-363-12	Sequence 12, Appl	204	86.5	4.9	307	2	US-08-946-719A-56	Sequence 56, Appl
132	360.5	20.3	270	1	US-08-452-052-1	Sequence 1, Appl	205	86.5	4.9	307	2	US-09-547-983-56	Sequence 56, Appl
133	288.5	16.2	328	1	US-08-977-767-1	Sequence 1, Appl	206	85.5	4.8	1457	2	US-09-436-814-2	Sequence 2, Appl
134	288.5	16.2	328	2	US-09-999-833A-358	Sequence 358, App	207	85	4.8	351	2	US-09-252-991A-29992	Sequence 2992, A
135	288.5	16.2	328	2	US-10-020-445A-358	Sequence 358, App	208	85	4.8	984	1	US-08-449-645A-19	Sequence 19, Appl
136	288.5	16.2	385	2	US-09-949-016-11213	Sequence 11213, A	209	85	4.8	984	1	US-08-702-367A-19	Sequence 19, Appl
137	280.5	15.8	201	1	US-08-469-667-18	Sequence 18, Appl	210	85	4.8	2273	4	PCT-US95-04681-19	Sequence 19, Appl
138	280.5	15.8	201	2	US-09-224-110-18	Sequence 18, Appl	211	85	4.8	1184	2	US-09-426-998-5	Sequence 5, Appl
139	280.5	15.8	201	2	US-09-988-292A-18	Sequence 18, Appl	212	84.5	4.7	1184	1	US-08-446-038B-20	Sequence 20, Appl
140	280.5	15.8	201	4	PCT-US95-07289-18	Sequence 18, Appl	213	84.5	4.7	1184	1	US-08-446-010B-20	Sequence 20, Appl
141	266	15.0	235	1	US-08-015-986A-13	Sequence 13, Appl	214	84.5	4.7	1184	1	US-08-805-445-20	Sequence 20, Appl
142	266	15.0	235	1	US-08-446-363-13	Sequence 13, Appl	215	84.5	4.7	1184	1	US-08-066-208-20	Sequence 20, Appl
143	257.5	14.5	782	2	US-09-270-767-44626	Sequence 44626, A	216	84.5	4.7	1184	1	US-08-954-128-48	Sequence 48, Appl
144	250.5	14.1	486	2	US-09-270-767-60075	Sequence 60075, A	217	84.5	4.7	1299	2	US-08-460-900C-62	Sequence 62, Appl
145	243.5	13.7	132	2	US-09-513-999C-4373	Sequence 4373, Ap	218	84.5	4.7	1299	2	US-08-674-509B-48	Sequence 48, Appl
146	176	9.9	147	2	US-09-270-767-33301	Sequence 33301, A	219	84.5	4.7	1299	2	US-08-954-698-48	Sequence 48, Appl
147	169.5	9.5	443	2	US-09-270-767-33409	Sequence 33409, A	220	84.5	4.7	1299	2	US-09-639-695-62	Sequence 62, Appl
148	169.5	9.5	443	2	US-09-270-767-48626	Sequence 48626, A	221	84.5	4.7	1299	2	US-09-448-188-48	Sequence 48, Appl
149	163.5	9.2	430	1	US-08-945-848-8	Sequence 8, Appl	222	84.5	4.7	1299	2	US-08-954-128-48	Sequence 48, Appl
150	160.5	9.0	106	2	US-09-270-767-33324	Sequence 33324, A	223	84.5	4.7	1299	2	US-08-954-128-48	Sequence 48, Appl
151	158.5	8.9	234	2	US-09-107-532A-5283	Sequence 5283, Ap	224	84.5	4.7	1457	2	US-09-713-273A-18	Sequence 18, Appl
152	156	8.8	105	2	US-09-513-999C-5350	Sequence 5350, Ap	225	84	4.7	697	2	US-09-949-016-9660	Sequence 9660, Ap
153	150.5	8.5	144	2	US-09-621-976-5098	Sequence 5098, Ap	226	83.5	4.7	501	2	US-08-857-076-102	Sequence 102, App
154	119	6.7	123	2	US-09-270-767-33649	Sequence 33649, A	227	83.5	4.7	547	2	US-09-877-730-26	Sequence 26, Appl
155	119	6.7	123	2	US-09-270-767-48866	Sequence 48866, A	228	83.5	4.7	686	2	US-09-877-730-30	Sequence 30, Appl
156	114.5	6.4	3647	2	US-09-949-016-10932	Sequence 10932, A	229	83.5	4.7	686	2	US-09-328-352-43303	Sequence 352, Appl
157	112	6.3	140	2	US-09-270-767-33338	Sequence 33338, A	230	83.5	4.7	826	2	US-09-877-730-16	Sequence 16, Appl
158	112	6.3	140	2	US-09-270-767-48555	Sequence 48555, A	231	83.5	4.7	904	2	US-09-877-730-6	Sequence 6, Appl
159	105.5	5.9	1439	1	US-08-449-644-2	Sequence 2, Appl	232	83.5	4.7	907	2	US-09-877-730-20	Sequence 20, Appl
160	105.5	5.9	1439	1	US-08-087-244A-2	Sequence 2, Appl	233	83.5	4.7	985	2	US-09-877-730-10	Sequence 10, Appl
161	104	5.8	3597	2	US-10-037-417-6	Sequence 6, Appl	234	83.5	4.7	1187	1	US-08-357-588-8	Sequence 8, Appl
162	104	5.8	3600	2	US-10-037-417-2	Sequence 2, Appl	235	83.5	4.7	1187	1	US-08-097-997A-13	Sequence 13, Appl
163	103.5	5.8	1457	1	US-08-652-971-3	Sequence 3, Appl	236	83.5	4.7	1187	1	US-09-003-289-8	Sequence 8, Appl
164	103.5	5.8	1457	1	US-08-449-644-1	Sequence 1, Appl	237	83.5	4.7	1187	2	US-08-665-574C-13	Sequence 13, Appl
165	103.5	5.8	1457	1	US-08-087-244A-1	Sequence 1, Appl	238	83.5	4.7	1187	2	US-08-946-994-13	Sequence 13, Appl
166	103.5	5.8	1457	1	US-08-991-258A-3	Sequence 3, Appl	239	83.5	4.7	1187	2	US-09-972-800A-18	Sequence 18, Appl
167	103.5	5.8	1457	1	US-08-769-399-3	Sequence 3, Appl	240	83.5	4.7	1187	4	PCT-US95-16435-8	Sequence 8, Appl
168	103.5	5.8	1457	2	US-08-991-953A-3	Sequence 3, Appl	241	83.5	4.7	1469	2	US-09-713-273A-16	Sequence 16, Appl
169	100	5.6	104	2	US-09-270-767-33498	Sequence 33498, A	242	83	4.7	457	2	US-09-394-812B-22	Sequence 22, Appl
170	100	5.6	104	2	US-09-270-767-48715	Sequence 48715, A	243	83	4.7	579	2	US-09-244-805-18	Sequence 18, Appl
171	98	5.5	530	2	US-08-486-049-3	Sequence 3, Appl	244	83	4.7	984	1	US-09-673-789-9	Sequence 9, Appl
172	98	5.5	530	2	US-10-314-739A-3	Sequence 3, Appl	245	83	4.7	2907	1	US-09-698-295-1	Sequence 1, Appl
173	97	5.5	518	2	US-09-113-309-19	Sequence 19, Appl	246	82.5	4.6	307	2	US-10-037-417-91	Sequence 91, Appl

247	82.5	4.6	479	2	US-09-004-838-123	Sequence 123, App	320	78.5	4.4	1454	2	US-09-388-221B-10	Sequence 10, Appl
248	82.5	4.6	635	2	US-10-101-464A-932	Sequence 932, App	321	78	4.4	254	2	US-09-248-796A-27114	Sequence 27114, A
249	81.5	4.6	372	2	US-09-638-937-4	Sequence 4, Appli	322	78	4.4	280	2	US-10-101-464A-6116	Sequence 614, App
250	81.5	4.6	664	2	US-09-107-532A-7252	Sequence 7252, Ap	323	78	4.4	400	2	US-09-538-092-1146	Sequence 1146, Ap
251	81.5	4.6	994	2	US-09-949-016-6779	Sequence 6779, Ap	324	78	4.4	852	2	US-09-206-551-19	Sequence 19, Appl
252	81	4.6	189	2	US-09-902-540-16173	Sequence 16173, A	325	78	4.4	905	2	US-09-340-620A-52	Sequence 52, Appl
253	81	4.6	411	1	US-08-399-561-2	Sequence 2, Appli	326	78	4.4	905	2	US-09-728-721-52	Sequence 43, Appl
254	81	4.6	460	2	US-09-147-955-2	Sequence 2, Appli	327	78	4.4	1152	1	US-08-476-062A-43	Sequence 43, Appl
255	81	4.6	513	2	US-09-252-991A-32658	Sequence 32658, A	328	78	4.4	1152	4	PCT-US96-01314-43	Sequence 43, Appl
256	81	4.6	561	2	US-09-902-540-15714	Sequence 15714, A	329	78	4.4	1152	6	5424399-2	Patent No. 5424399
257	81	4.6	1055	2	US-09-949-016-9776	Sequence 9776, Ap	330	77.5	4.4	227	2	US-09-248-796A-15723	Sequence 15723, A
258	81	4.6	1187	2	US-08-201-697-2	Sequence 2, Appli	331	77.5	4.4	364	2	US-09-198-452A-423	Sequence 423, App
259	80.5	4.5	552	2	US-09-248-796A-25337	Sequence 25337, A	332	77.5	4.4	364	2	US-09-438-185A-406	Sequence 406, App
260	80.5	4.5	658	2	US-09-252-991A-26319	Sequence 26319, A	333	77.5	4.4	498	2	US-10-104-047-1191	Sequence 1191, Ap
261	80.5	4.5	777	2	US-09-949-016-7158	Sequence 7158, Ap	334	77.5	4.4	563	2	US-09-252-991A-28996	Sequence 28996, A
262	80.5	4.5	857	1	US-08-659-251-2	Sequence 2, Appli	335	77.5	4.4	590	2	US-09-971-773-73	Sequence 73, Appl
263	80.5	4.5	857	2	US-09-256-490-2	Sequence 2, Appli	336	77.5	4.4	716	1	US-08-766-982-1	Sequence 1, Appli
264	80.5	4.5	857	4	PCT-US96-11445-2	Sequence 2, Appli	337	77.5	4.4	716	1	US-09-236-219-1	Sequence 1, Appli
265	80.5	4.5	1261	1	US-08-764-100-26	Sequence 26, Appli	338	77.5	4.4	1176	2	US-09-976-594-793	Sequence 793, App
266	80.5	4.5	1290	2	US-09-150-460B-6	Sequence 6, Appli	339	77.5	4.4	1222	2	US-09-593-828-15	Sequence 15, Appl
267	80	4.5	631	2	US-09-310-463-20	Sequence 20, Appl	340	77	4.3	509	1	US-08-030-096-2	Sequence 2, Appli
268	80	4.5	631	2	US-08-842-248A-20	Sequence 20, Appl	341	77	4.3	514	2	US-09-252-991A-29276	Sequence 29276, A
269	80	4.5	719	2	US-09-949-016-7766	Sequence 7766, Ap	342	77	4.3	573	2	US-09-902-540-12155	Sequence 12155, A
270	80	4.5	725	2	US-09-724-653-10	Sequence 10, Appl	343	77	4.3	751	2	US-09-252-991A-29893	Sequence 29893, A
271	80	4.5	739	1	US-07-618-946B-22	Sequence 22, Appl	344	77	4.3	802	2	US-09-252-991A-23824	Sequence 23824, A
272	80	4.5	814	1	US-07-618-946B-23	Sequence 23, Appl	345	77	4.3	963	2	US-09-328-352-4544	Sequence 4544, Ap
273	79.5	4.5	365	2	US-09-328-352-6107	Sequence 6107, Ap	346	77	4.3	1412	2	US-09-949-002-486	Sequence 486, App
274	79.5	4.5	494	2	US-09-949-002-462	Sequence 462, App	347	77	4.3	1419	2	US-09-252-991A-31822	Sequence 31822, A
275	79.5	4.5	524	2	US-09-171-553B-4	Sequence 4, Appli	348	77	4.3	2220	2	US-09-949-016-9730	Sequence 9730, Ap
276	79.5	4.5	743	2	US-09-724-653-8	Sequence 8, Appli	349	77	4.3	4090	2	US-09-236-662-34	Sequence 34, Appl
277	79.5	4.5	748	2	US-09-061-764A-19	Sequence 19, Appli	350	76.5	4.3	260	2	US-09-540-226-2594	Sequence 2594, A
278	79.5	4.5	808	2	US-09-917-254-52	Sequence 52, Appl	351	76.5	4.3	318	2	US-09-888-623-16	Sequence 16, Appl
279	79.5	4.5	823	2	US-09-107-532A-5667	Sequence 5667, Ap	352	76.5	4.3	424	2	US-09-902-540-10575	Sequence 10575, A
280	79.5	4.5	850	2	US-09-129-603-2	Sequence 2, Appli	353	76.5	4.3	472	2	US-09-134-000C-3883	Sequence 3883, Ap
281	79.5	4.5	1064	2	US-10-104-047-3830	Sequence 3830, Ap	354	76.5	4.3	484	2	US-09-270-767-42785	Sequence 42785, A
282	79.5	4.5	1207	2	US-09-593-828-17	Sequence 17, Appl	355	76.5	4.3	504	2	US-10-104-047-1872	Sequence 1872, Ap
283	79.5	4.5	1285	1	US-08-540-406-6	Sequence 6, Appli	356	76.5	4.3	566	2	US-09-023-721-1	Sequence 1, Appli
284	79.5	4.5	1285	2	US-08-656-055-6	Sequence 6, Appli	357	76.5	4.3	566	2	US-09-911-969-1	Sequence 1, Appli
285	79.5	4.5	1285	2	US-08-954-668-6	Sequence 6, Appli	358	76.5	4.3	696	2	US-09-252-991A-20587	Sequence 20587, A
286	79.5	4.5	1285	2	US-08-918-658-6	Sequence 6, Appli	359	76.5	4.3	752	2	US-09-693-542-89	Sequence 89, Appl
287	79.5	4.5	1285	2	US-09-724-631-6	Sequence 6, Appli	360	76.5	4.3	792	2	US-09-949-016-10798	Sequence 10798, A
288	79.5	4.5	1285	2	US-08-954-701A-6	Sequence 6, Appli	361	76.5	4.3	833	2	US-09-489-039A-8936	Sequence 8936, Ap
289	79.5	4.5	1285	2	US-09-754-032-6	Sequence 6, Appli	362	76.5	4.3	1587	2	US-09-000-094-46	Sequence 46, Appl
290	79.5	4.5	1285	2	US-08-916-140-6	Sequence 6, Appli	363	76.5	4.3	1587	2	US-10-011-749-66	Sequence 46, Appl
291	79.5	4.5	1285	4	PCT-US95-13233-6	Sequence 6, Appli	364	76.5	4.3	1910	2	US-08-956-991-2	Sequence 2, Appli
292	79.5	4.5	1286	2	US-09-268-140-3	Sequence 2, Appli	365	76	4.3	336	2	US-09-902-540-16050	Sequence 16050, A
293	79.5	4.5	1307	1	US-08-395-246C-2	Sequence 2, Appli	366	76	4.3	370	2	US-09-142-551A-4	Sequence 4, Appli
294	79	4.4	357	4	PCT-US91-00899-14	Sequence 14, Appl	367	76	4.3	416	2	US-09-949-016-7756	Sequence 7756, Ap
295	79	4.4	370	2	US-09-540-236-2696	Sequence 2696, Ap	368	76	4.3	451	2	US-09-902-540-13289	Sequence 13289, A
296	79	4.4	382	2	US-09-252-991A-20201	Sequence 20201, A	369	76	4.3	457	2	US-09-416-213-2	Sequence 2, Appli
297	79	4.4	573	2	US-09-248-796A-17549	Sequence 17549, A	370	76	4.3	457	2	US-09-416-213-2	Sequence 2, Appli
298	79	4.4	631	2	US-09-345-468-12	Sequence 12, Appl	371	76	4.3	457	2	US-09-035-676-2	Sequence 2, Appli
299	79	4.4	631	2	US-09-414-453A-12	Sequence 12, Appl	372	76	4.3	457	2	US-10-161-346-2	Sequence 2, Appli
300	79	4.4	655	2	US-09-228-986-70	Sequence 70, Appl	373	76	4.3	506	1	US-08-845-161A-18	Sequence 18, Appl
301	79	4.4	655	2	US-10-101-464A-70	Sequence 70, Appl	374	76	4.3	506	2	US-09-270-751-18	Sequence 18, Appl
302	79	4.4	1423	2	US-08-810-712-10	Sequence 10, Appl	375	76	4.3	525	2	US-09-543-681A-4364	Sequence 4364, Ap
303	79	4.4	1431	2	US-09-538-032-1198	Sequence 1198, Ap	376	76	4.3	553	1	US-08-651-572-2	Sequence 2, Appli
304	79	4.4	1431	2	US-09-949-002-377	Sequence 377, App	377	76	4.3	553	2	US-09-06-544-2	Sequence 2, Appli
305	79	4.4	2343	2	US-09-324-867-2	Sequence 2, Appli	378	76	4.3	553	2	US-08-951-086-2	Sequence 2, Appli
306	79	4.4	3118	1	US-08-457-273B-8	Sequence 8, Appli	379	76	4.3	553	2	US-09-430-669-2	Sequence 22, Appl
307	78.5	4.4	1197	2	US-09-270-767-46202	Sequence 46202, A	380	76	4.3	575	2	US-10-104-047-1221	Sequence 2221, Ap
308	78.5	4.4	381	1	US-08-585-758A-2	Sequence 2, Appli	381	76	4.3	1055	2	US-09-949-016-7344	Sequence 7344, Ap
309	78.5	4.4	381	1	US-08-977-818-2	Sequence 2, Appli	382	76	4.3	1055	2	US-09-489-039A-9150	Sequence 9150, Ap
310	78.5	4.4	381	1	US-08-670-274B-2	Sequence 2, Appli	383	76	4.3	2509	2	US-09-252-991A-16642	Sequence 16642, Ap
311	78.5	4.4	381	1	US-08-786-999-3	Sequence 3, Appli	384	75.5	4.2	300	2	US-09-099-941A-4	Sequence 4, Appli
312	78.5	4.4	381	2	US-09-146-187-2	Sequence 2, Appli	385	75.5	4.2	300	2	US-09-245-281-4	Sequence 4, Appli
313	78.5	4.4	381	2	US-09-216-387-3	Sequence 3, Appli	386	75.5	4.2	300	2	US-09-207-359B-4	Sequence 4, Appli
314	78.5	4.4	391	2	US-09-804-690-2	Sequence 2, Appli	387	75.5	4.2	300	2	US-09-340-620A-4	Sequence 4, Appli
315	78.5	4.4	391	2	US-09-886-319A-1	Sequence 1, Appli	388	75.5	4.2	300	2	US-09-865-164-4	Sequence 4, Appli
316	78.5	4.4	448	2	US-09-949-016-9938	Sequence 9938, Ap	389	75.5	4.2	304	2	US-09-728-721-4	Sequence 4, Appli
317	78.5	4.4	845	2	US-09-949-016-11413	Sequence 11413, A	390	75.5	4.2	304	2	US-09-270-767-43346	Sequence 43346, A
318	78.5	4.4	1028	2	US-09-949-016-9650	Sequence 9650, Ap	391	75.5	4.2	461	2	US-09-147-955-6	Sequence 6, Appli
319	78.5	4.4	1424	2	US-09-388-221B-12	Sequence 12, Appl	392	75.5	4.2	482	1	US-08-135-510-5	Sequence 5, Appli

393	75.5	4.2	482	1	US-08-483-852-5	Sequence 5, Appli	466	74.5	4.2	752	2	US-09-159-469-61	Sequence 61, Appli
394	75.5	4.2	482	1	US-08-477-953-5	Sequence 5, Appli	467	74.5	4.2	752	2	US-09-693-542-61	Sequence 61, Appli
395	75.5	4.2	482	1	US-08-477-952-5	Sequence 5, Appli	468	74.5	4.2	815	2	US-09-196-270-7	Sequence 7, Appli
396	75.5	4.2	504	1	US-08-135-511-8	Sequence 28, Appli	469	74.5	4.2	823	2	US-09-491-356C-23	Sequence 23, Appli
397	75.5	4.2	504	1	US-08-483-852-8	Sequence 8, Appli	470	74.5	4.2	866	2	US-09-134-001C-3067	Sequence 3067, Ap
398	75.5	4.2	504	1	US-08-361-458-3	Sequence 3, Appli	471	74.5	4.2	933	2	US-09-949-016-8386	Sequence 8386, Ap
399	75.5	4.2	504	1	US-08-477-953-8	Sequence 8, Appli	472	74.5	4.2	933	2	US-09-949-016-8387	Sequence 8387, Ap
400	75.5	4.2	504	1	US-08-187-453-8	Sequence 28, Appli	473	74.5	4.2	933	2	US-09-949-016-8387	Sequence 8387, Ap
401	75.5	4.2	504	1	US-08-477-952-8	Sequence 8, Appli	474	74.5	4.2	933	2	US-09-949-016-8387	Sequence 8387, Ap
402	75.5	4.2	504	1	US-09-762-415-4	Sequence 4, Appli	475	74.5	4.2	933	2	US-09-949-016-8387	Sequence 8387, Ap
403	75.5	4.2	507	2	US-09-949-016-10802	Sequence 10802, A	476	74.5	4.2	1033	2	US-08-863-118-3	Sequence 3, Appli
404	75.5	4.2	531	2	US-09-252-991A-17650	Sequence 17650, A	477	74.5	4.2	1313	2	US-09-071-035-450	Sequence 450, App
405	75.5	4.2	540	2	US-09-019-942-1	Sequence 1, Appli	478	74.5	4.2	1313	2	US-10-206-576-454	Sequence 450, App
406	75.5	4.2	540	2	US-09-099-041A-2	Sequence 27, Appli	479	74	4.2	1313	2	US-10-206-576-450	Sequence 450, App
407	75.5	4.2	540	2	US-09-069-023-27	Sequence 2, Appli	480	74	4.2	1313	2	US-10-206-576-450	Sequence 450, App
408	75.5	4.2	540	2	US-09-245-281-2	Sequence 2, Appli	481	74	4.2	301	2	US-09-902-540-13071	Sequence 13071, A
409	75.5	4.2	540	2	US-09-470-271-1	Sequence 2, Appli	482	74	4.2	330	2	US-09-145-391-2	Sequence 2, Appli
410	75.5	4.2	540	2	US-09-207-359B-2	Sequence 1, Appli	483	74	4.2	330	2	US-09-794-591-2	Sequence 2, Appli
411	75.5	4.2	540	2	US-09-340-620A-2	Sequence 2, Appli	484	74	4.2	330	2	US-09-725-945-5	Sequence 5, Appli
412	75.5	4.2	540	2	US-09-345-473B-28	Sequence 28, Appli	485	74	4.2	374	2	US-10-104-047-3578	Sequence 3578, Ap
413	75.5	4.2	540	2	US-09-865-364-2	Sequence 2, Appli	486	74	4.2	414	2	US-09-248-796A-16417	Sequence 16417, A
414	75.5	4.2	540	2	US-09-748-537-1	Sequence 1, Appli	487	74	4.2	497	2	US-09-248-796A-16678	Sequence 16017, A
415	75.5	4.2	540	2	US-09-981-337A-14	Sequence 14, Appli	488	74	4.2	692	2	US-10-101-464A-897	Sequence 897, App
416	75.5	4.2	540	2	US-09-862-027-28	Sequence 28, Appli	489	74	4.2	692	2	US-10-101-464A-897	Sequence 897, App
417	75.5	4.2	540	2	US-09-728-721-2	Sequence 2, Appli	490	74	4.2	692	2	US-10-101-464A-897	Sequence 897, App
418	75.5	4.2	540	2	US-09-771-161A-184	Sequence 184, App	491	74	4.2	704	2	US-10-104-047-3501	Sequence 3501, Ap
419	75.5	4.2	541	2	US-09-134-000C-5420	Sequence 184, App	492	74	4.2	789	2	US-09-252-991A-27011	Sequence 27011, A
420	75.5	4.2	586	2	US-09-339-159B-10	Sequence 10, Appli	493	74	4.2	989	2	US-09-079-030-218	Sequence 218, App
421	75.5	4.2	689	2	US-10-207-706-2	Sequence 2, Appli	494	74	4.2	1183	2	US-09-134-001C-3530	Sequence 3530, Ap
422	75.5	4.2	758	1	US-07-756-250-16	Sequence 16, Appli	495	74	4.2	1183	2	US-09-698-295-10	Sequence 10, Appli
423	75.5	4.2	766	2	US-09-949-016-10058	Sequence 10058, A	496	74	4.2	2781	2	US-09-902-540-12593	Sequence 12593, A
424	75.5	4.2	66	2	US-09-513-999C-5649	Sequence 5649, Ap	497	74	4.2	2867	2	US-08-246-982A-16	Sequence 16, Appli
425	75	4.2	66	2	US-09-543-681A-7263	Sequence 7263, Ap	498	74	4.2	3119	1	US-08-453-265-16	Sequence 16, Appli
426	75	4.2	284	2	US-09-786-240-7	Sequence 7, Appli	499	74	4.2	3623	2	US-09-341-461-2	Sequence 2, Appli
427	75	4.2	393	1	US-08-837-593-3	Sequence 3, Appli	500	73.5	4.1	123	2	US-09-134-000C-6096	Sequence 6096, Ap
428	75	4.2	393	1	US-10-104-047-2529	Sequence 2529, Ap	501	73.5	4.1	297	2	US-09-248-796A-22761	Sequence 22761, A
429	75	4.2	720	2	US-09-480-921B-8	Sequence 8, Appli	502	73.5	4.1	309	2	US-08-530-862B-8	Sequence 8, Appli
430	75	4.2	998	2	US-09-540-236-3801	Sequence 3801, Ap	503	73.5	4.1	309	2	US-08-530-862B-8	Sequence 8, Appli
431	74.5	4.2	229	2	US-09-394-142B-8	Sequence 8, Appli	504	73.5	4.1	309	2	US-08-530-862B-8	Sequence 8, Appli
432	74.5	4.2	300	2	US-10-104-047-3050	Sequence 3050, Ap	505	73.5	4.1	363	2	US-08-914-372C-37	Sequence 37, Appli
433	74.5	4.2	342	2	US-09-538-092-776	Sequence 776, App	506	73.5	4.1	365	1	US-08-447-500-4	Sequence 4, Appli
434	74.5	4.2	354	2	US-09-338-907-74	Sequence 74, Appli	507	73.5	4.1	365	1	US-08-453-866-4	Sequence 4, Appli
435	74.5	4.2	354	2	US-09-218-207-74	Sequence 74, Appli	508	73.5	4.1	365	1	US-08-453-866-4	Sequence 4, Appli
436	74.5	4.2	387	1	US-08-314-596-40	Sequence 40, Appli	509	73.5	4.1	365	1	US-09-100-664A-13	Sequence 13, Appli
437	74.5	4.2	387	1	US-08-314-596-42	Sequence 42, Appli	510	73.5	4.1	365	2	US-08-185-359-4	Sequence 4, Appli
438	74.5	4.2	387	1	US-08-320-982-40	Sequence 40, Appli	511	73.5	4.1	365	2	US-09-335-983-13	Sequence 13, Appli
439	74.5	4.2	387	1	US-08-320-982-42	Sequence 42, Appli	512	73.5	4.1	365	2	US-09-553-867A-13	Sequence 13, Appli
440	74.5	4.2	387	1	US-08-872-302-6	Sequence 6, Appli	513	73.5	4.1	365	2	US-09-559-867-13	Sequence 13, Appli
441	74.5	4.2	387	2	US-08-819-037-40	Sequence 40, Appli	514	73.5	4.1	365	2	US-09-543-681A-5589	Sequence 5589, Ap
442	74.5	4.2	387	2	US-08-819-037-42	Sequence 42, Appli	515	73.5	4.1	499	2	US-08-985-492-14	Sequence 14, Appli
443	74.5	4.2	387	2	US-08-530-862B-5	Sequence 5, Appli	516	73.5	4.1	499	2	US-09-949-016-5906	Sequence 5906, Ap
444	74.5	4.2	387	2	US-08-597-313D-5	Sequence 5, Appli	517	73.5	4.1	608	2	US-09-134-001C-3395	Sequence 3395, Ap
445	74.5	4.2	387	2	US-09-059-769-14	Sequence 14, Appli	518	73.5	4.1	611	2	US-09-710-279-3586	Sequence 2586, Ap
446	74.5	4.2	387	2	US-09-161-994A-18	Sequence 18, Appli	519	73.5	4.1	657	1	US-08-264-534-34	Sequence 34, Appli
447	74.5	4.2	387	2	US-09-045-940-40	Sequence 40, Appli	520	73.5	4.1	657	1	US-08-083-530A-13	Sequence 13, Appli
448	74.5	4.2	387	2	US-09-045-940-42	Sequence 42, Appli	521	73.5	4.1	657	1	US-08-465-500-34	Sequence 34, Appli
449	74.5	4.2	387	2	US-09-638-937-6	Sequence 6, Appli	522	73.5	4.1	657	1	US-08-346-128-14	Sequence 14, Appli
450	74.5	4.2	387	2	US-09-885-189-5	Sequence 5, Appli	523	73.5	4.1	657	2	US-08-532-384-13	Sequence 13, Appli
451	74.5	4.2	396	2	US-09-142-551A-3	Sequence 3, Appli	524	73.5	4.1	657	2	US-08-893-828-14	Sequence 34, Appli
452	74.5	4.2	459	2	US-09-543-681A-5116	Sequence 5116, Ap	525	73.5	4.1	664	2	US-09-248-796A-26707	Sequence 26707, A
453	74.5	4.2	468	2	US-10-104-047-3829	Sequence 3829, Ap	526	73.5	4.1	732	2	US-10-070-634-6	Sequence 6, Appli
454	74.5	4.2	469	2	US-09-252-991A-26584	Sequence 26584, A	527	73.5	4.1	746	2	US-09-543-681A-6436	Sequence 6436, Ap
455	74.5	4.2	487	2	US-09-583-110-3352	Sequence 3352, Ap	528	73.5	4.1	749	2	US-09-913-955A-1	Sequence 1, Appli
456	74.5	4.2	491	2	US-09-107-433-4631	Sequence 4631, Ap	529	73.5	4.1	803	1	US-08-951-648-1	Sequence 4, Appli
457	74.5	4.2	522	1	US-08-625-322-2	Sequence 2, Appli	530	73.5	4.1	803	1	US-09-174-437-4	Sequence 4, Appli
458	74.5	4.2	547	2	US-09-134-000C-5974	Sequence 5974, Ap	531	73.5	4.1	803	2	US-09-686-055A-4	Sequence 4, Appli
459	74.5	4.2	627	2	US-09-071-035-452	Sequence 452, App	532	73.5	4.1	1047	2	US-09-252-991A-29125	Sequence 29125, A
460	74.5	4.2	627	2	US-10-206-576-452	Sequence 452, App	533	73.5	4.1	1180	2	US-09-543-681A-6436	Sequence 16, Appli
461	74.5	4.2	678	2	US-09-196-270-1	Sequence 1, Appli	534	73.5	4.1	2471	1	US-08-185-432-16	Sequence 19, Appli
462	74.5	4.2	696	2	US-09-134-000C-4874	Sequence 4874, Ap	535	73.5	4.1	2471	1	US-08-083-590A-19	Sequence 19, Appli
463	74.5	4.2	752	2	US-08-975-762-61	Sequence 61, Appli	536	73.5	4.1	2471	2	US-08-532-384-13	Sequence 1, Appli
464	74.5	4.2	752	2	US-09-295-028-61	Sequence 61, Appli	537	73.5	4.1	2471	2	US-08-899-222-1	Sequence 1, Appli
465	74.5	4.2	752	2	US-09-106-582-61	Sequence 61, Appli	538	73.5	4.1	2471	2	US-09-121-457-1	Sequence 1, Appli

539	73	4.1	243	2	US-09-248-796A-15919	Sequence 15919, A	612	72	4.0	383	2	US-08-530-862B-6	Sequence 6, Appli
540	73	4.1	284	2	US-09-248-796A-24957	Sequence 24957, A	613	72	4.0	383	2	US-08-597-313D-6	Sequence 6, Appli
541	73	4.1	318	2	US-09-107-552A-5738	Sequence 5738, Ap	614	72	4.0	383	2	US-09-059-769-9	Sequence 9, Appli
542	73	4.1	321	2	US-09-248-796A-2016	Sequence 2016, A	615	72	4.0	383	2	US-09-161-994A-14	Sequence 14, Appli
543	73	4.1	368	2	US-09-902-540-15739	Sequence 15739, A	616	72	4.0	383	2	US-09-133-962A-2	Sequence 2, Appli
544	73	4.1	382	1	US-08-872-302-2	Sequence 2, Appli	617	72	4.0	383	2	US-09-045-960A-1	Sequence 41, Appli
545	73	4.1	383	2	US-09-059-769-12	Sequence 12, Appli	618	72	4.0	383	2	US-09-763-311-4	Sequence 4, Appli
546	73	4.1	383	2	US-09-161-994A-16	Sequence 16, Appli	619	72	4.0	383	2	US-09-697-379-2	Sequence 2, Appli
547	73	4.1	420	2	US-09-902-540-10528	Sequence 10528, A	620	72	4.0	383	2	US-10-116-212A-2	Sequence 6, Appli
548	73	4.1	420	2	US-10-104-047-2022	Sequence 2022, Ap	621	72	4.0	384	2	US-09-885-189-6	Sequence 16, Appli
549	73	4.1	460	2	US-09-618-425-7	Sequence 7, Appli	622	72	4.0	384	2	US-09-354-218B-16	Sequence 16, Appli
550	73	4.1	584	2	US-09-270-767-43419	Sequence 43419, A	623	72	4.0	384	2	US-09-128-602B-16	Sequence 16, Appli
551	73	4.1	605	2	US-09-248-796A-15879	Sequence 15879, A	624	72	4.0	384	2	US-09-995-297-16	Sequence 16, Appli
552	73	4.1	631	2	US-09-252-991A-26007	Sequence 26007, A	625	72	4.0	392	2	US-09-711-164-375	Sequence 375, App
553	73	4.1	648	2	US-09-031-553-5	Sequence 5, Appli	626	72	4.0	397	2	US-09-252-991A-20668	Sequence 20668, A
554	73	4.1	648	2	US-09-392-277-5	Sequence 5, Appli	627	72	4.0	400	1	US-08-878-989-17	Sequence 17, Appli
555	73	4.1	648	2	US-09-258-000-5	Sequence 5, Appli	628	72	4.0	400	2	US-09-212-796-17	Sequence 17, Appli
556	73	4.1	807	2	US-09-177-650-3	Sequence 3, Appli	629	72	4.0	400	2	US-09-543-681A-6151	Sequence 6151, Ap
557	73	4.1	884	1	US-08-474-067-8	Sequence 8, Appli	630	72	4.0	439	2	US-09-248-796A-15969	Sequence 15969, A
558	73	4.1	884	1	US-08-474-068A-8	Sequence 8, Appli	631	72	4.0	462	2	US-09-252-991A-17536	Sequence 17536, A
559	73	4.1	884	1	US-08-472-481-7	Sequence 7, Appli	632	72	4.0	474	2	US-09-248-796A-19995	Sequence 19995, A
560	73	4.1	945	2	US-10-037-417-38	Sequence 38, Appli	633	72	4.0	479	2	US-09-198-452A-763	Sequence 763, App
561	73	4.1	984	2	US-09-328-352-6926	Sequence 6926, Ap	634	72	4.0	498	2	US-09-438-185A-718	Sequence 718, App
562	73	4.1	1078	2	US-09-248-796A-20284	Sequence 20284, A	635	72	4.0	524	2	US-09-902-540-10459	Sequence 10459, A
563	73	4.1	3892	2	US-09-328-352-5503	Sequence 5503, Ap	636	72	4.0	524	2	US-09-625-188-2	Sequence 2, Appli
564	72.5	4.1	210	2	US-09-198-452A-604	Sequence 604, App	637	72	4.0	556	2	US-09-949-016-7134	Sequence 7134, Ap
565	72.5	4.1	367	2	US-09-540-236-3172	Sequence 3172, Ap	638	72	4.0	588	2	US-09-583-110-4288	Sequence 4288, Ap
566	72.5	4.1	368	2	US-08-303-238-1	Sequence 1, Appli	639	72	4.0	638	2	US-09-134-000C-4864	Sequence 4864, Ap
567	72.5	4.1	376	1	US-08-458-834-1	Sequence 1, Appli	640	72	4.0	647	2	US-09-031-553-3	Sequence 7, Appli
568	72.5	4.1	376	2	US-09-328-352-4372	Sequence 4372, Ap	641	72	4.0	647	2	US-09-392-277-7	Sequence 7, Appli
569	72.5	4.1	385	2	US-09-133-962A-12	Sequence 12, Appli	642	72	4.0	647	2	US-09-258-000-7	Sequence 7, Appli
570	72.5	4.1	387	2	US-09-697-379-12	Sequence 12, Appli	643	72	4.0	656	2	US-09-538-092-654	Sequence 654, App
571	72.5	4.1	387	2	US-10-116-212A-12	Sequence 12, Appli	644	72	4.0	680	2	US-09-107-552A-4798	Sequence 4798, Ap
572	72.5	4.1	387	2	US-09-543-681A-5821	Sequence 5821, Ap	645	72	4.0	714	1	US-08-472-534-3	Sequence 3, Appli
573	72.5	4.1	400	2	US-09-710-279-1474	Sequence 1474, Ap	646	72	4.0	920	2	US-09-949-016-7178	Sequence 7178, Ap
574	72.5	4.1	403	2	US-09-134-001C-4811	Sequence 4811, Ap	647	72	4.0	963	1	US-08-863-010-3	Sequence 3, Appli
575	72.5	4.1	431	2	US-08-852-782-3	Sequence 3, Appli	648	72	4.0	963	1	US-08-537-002A-3	Sequence 3, Appli
576	72.5	4.1	450	2	US-09-949-016-11734	Sequence 11734, A	649	72	4.0	963	2	US-09-024-429-3	Sequence 3, Appli
577	72.5	4.1	479	2	US-09-976-594-67	Sequence 67, Appli	650	72	4.0	1055	2	US-09-031-553-3	Sequence 27, Appli
578	72.5	4.1	633	2	US-09-543-681A-6148	Sequence 6148, Ap	651	72	4.0	1055	2	US-09-392-277-27	Sequence 27, Appli
579	72.5	4.1	639	2	US-09-724-631-10	Sequence 10, Appli	652	72	4.0	1055	2	US-09-258-000-27	Sequence 27, Appli
580	72.5	4.1	700	2	US-09-538-092-893	Sequence 893, App	653	72	4.0	1058	2	US-09-902-540-15976	Sequence 15976, A
581	72.5	4.1	700	2	US-09-252-991A-19235	Sequence 19235, A	654	72	4.0	1177	2	US-09-795-927-2	Sequence 2, Appli
582	72.5	4.1	724	2	US-09-252-991A-30884	Sequence 30884, A	655	72	4.0	1259	2	US-09-902-540-16442	Sequence 16442, A
583	72.5	4.1	724	2	US-09-487-558B-296	Sequence 296, App	656	72	4.0	1315	2	US-09-031-553-2	Sequence 2, Appli
584	72.5	4.1	727	2	US-09-523-849-34	Sequence 34, Appli	657	72	4.0	1315	2	US-09-031-553-25	Sequence 25, Appli
585	72.5	4.1	776	2	US-09-438-185A-380	Sequence 380, App	658	72	4.0	1315	2	US-09-293-505-10	Sequence 10, Appli
586	72.5	4.1	917	2	US-09-198-452A-171	Sequence 171, App	659	72	4.0	1315	2	US-09-392-277-25	Sequence 25, Appli
587	72.5	4.1	1156	2	US-08-540-406-10	Sequence 10, Appli	660	72	4.0	1315	2	US-09-258-000-2	Sequence 2, Appli
588	72.5	4.1	1434	1	US-08-656-055-10	Sequence 10, Appli	661	72	4.0	1315	2	US-09-060-939A-10	Sequence 25, Appli
589	72.5	4.1	1434	2	US-08-954-668-10	Sequence 10, Appli	662	72	4.0	1315	2	US-09-324-867-4	Sequence 4, Appli
590	72.5	4.1	1434	2	US-09-724-631-10	Sequence 10, Appli	663	72	4.0	1315	2	US-09-795-926-6	Sequence 6, Appli
591	72.5	4.1	1434	2	US-08-954-701A-10	Sequence 10, Appli	664	72	4.0	2304	2	US-10-364-774-2	Sequence 2, Appli
592	72.5	4.1	1434	2	US-09-754-032-10	Sequence 10, Appli	665	72	4.0	265	2	US-10-364-774-6	Sequence 6, Appli
593	72.5	4.1	1434	2	US-08-916-140-10	Sequence 10, Appli	666	72	4.0	265	2	US-09-252-991A-25511	Sequence 25511, A
594	72.5	4.1	1434	2	US-09-949-016-8007	Sequence 8007, Ap	667	72	4.0	287	1	US-08-632-353-7	Sequence 7, Appli
595	72.5	4.1	1434	2	US-09-949-016-8007	Sequence 8007, Ap	668	72	4.0	287	1	US-08-826-350-9	Sequence 9, Appli
596	72.5	4.1	1562	4	US-09-323-170B-2	Sequence 2, Appli	669	72	4.0	287	1	US-09-795-926-2	Sequence 2, Appli
597	72.5	4.1	3135	1	US-08-954-441-2	Sequence 2, Appli	670	72	4.0	303	2	US-10-364-774-2	Sequence 2, Appli
598	72.5	4.1	3135	1	US-09-134-001C-3159	Sequence 3159, Ap	671	72	4.0	303	2	US-10-037-417-89	Sequence 89, Appli
599	72.5	4.1	10182	2	US-09-807-654B-14	Sequence 14, Appli	672	72	4.0	306	2	US-10-037-417-90	Sequence 90, Appli
600	72.5	4.1	131	2	US-09-807-654B-14	Sequence 14, Appli	673	72	4.0	306	2	US-08-914-312C-7	Sequence 7, Appli
601	72	4.0	244	2	US-09-328-352-4465	Sequence 4465, Ap	674	72	4.0	361	2	US-08-914-312C-7	Sequence 7, Appli
602	72	4.0	270	2	US-09-949-016-8007	Sequence 8007, Ap	675	72	4.0	364	2	US-09-506-078-13	Sequence 13, Appli
603	72	4.0	322	2	US-09-270-767-39877	Sequence 39877, A	676	72	4.0	411	2	US-09-506-078-27	Sequence 27, Appli
604	72	4.0	375	2	US-09-902-540-11937	Sequence 51937, A	677	72	4.0	431	2	US-09-543-681A-5871	Sequence 5871, Ap
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606	72	4.0	380	2	US-08-811-177A-2	Sequence 2, Appli	679	72	4.0	480	2	US-10-020-445A-385	Sequence 385, App
607	72	4.0	382	1	US-08-314-596-41	Sequence 41, Appli	680	72	4.0	502	2	US-09-949-016-10424	Sequence 10424, A
608	72	4.0	383	1	US-08-320-982-41	Sequence 41, Appli	681	72	4.0	502	2	US-08-819-037-41	Sequence 41, Appli
609	72	4.0	383	1	US-08-819-037-41	Sequence 41, Appli	682	72	4.0	519	2		
610	72	4.0	383	1	US-08-819-037-41	Sequence 41, Appli	683	72	4.0	519	2		
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686	71.5	4.0	560	2	US-09-614-912-130	Sequence 130, App	759	71	4.0	3144	1	US-08-453-265-6	Sequence 6, Appl1
687	71.5	4.0	635	2	US-09-252-991A-21514	Sequence 21514, A	760	71	4.0	3144	1	US-08-457-273B-42	Sequence 42, Appl1
688	71.5	4.0	646	2	US-09-270-757-46432	Sequence 46432, A	761	71	4.0	3144	2	US-08-556-419-21	Sequence 21, Appl1
689	71.5	4.0	703	2	US-08-646-273-35	Sequence 25, Appl1	762	71	4.0	3144	2	US-09-041-886-15	Sequence 15, Appl1
690	71.5	4.0	749	2	US-09-562-737-95	Sequence 95, Appl1	763	71	4.0	3144	2	US-09-538-092-1118	Sequence 1118, Ap
691	71.5	4.0	753	2	US-08-646-273-36	Sequence 96, Appl	764	70.5	4.0	219	2	US-09-648-004-16	Sequence 16, Appl1
692	71.5	4.0	758	2	US-08-198-452A-996	Sequence 996, App	765	70.5	4.0	219	2	US-10-272-419-16	Sequence 16, Appl1
693	71.5	4.0	770	2	US-09-949-002-320	Sequence 320, App	766	70.5	4.0	255	1	US-08-592-214A-10	Sequence 10, Appl1
694	71.5	4.0	810	2	US-09-489-039A-9748	Sequence 9748, App	767	70.5	4.0	255	2	US-08-659-188-10	Sequence 10, Appl1
695	71.5	4.0	810	2	US-09-949-002-444	Sequence 444, App	768	70.5	4.0	255	2	US-08-655-327-10	Sequence 10, Appl1
696	71.5	4.0	876	1	US-08-717-515-4	Sequence 4, Appl1	769	70.5	4.0	255	2	US-08-655-241-10	Sequence 10, Appl1
697	71.5	4.0	915	2	US-09-198-452A-395	Sequence 395, App	770	70.5	4.0	255	2	US-09-149-976-10	Sequence 10, Appl1
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699	71.5	4.0	1084	1	US-08-717-515-6	Sequence 6, Appl1	772	70.5	4.0	255	2	US-09-853-450-10	Sequence 10, Appl1
700	71.5	4.0	1165	1	US-08-240-357-2	Sequence 2, Appl1	773	70.5	4.0	262	2	US-09-270-767-11926	Sequence 41926, A
701	71.5	4.0	1233	2	US-09-194-613-5	Sequence 5, Appl1	774	70.5	4.0	286	2	US-09-205-358-1012	Sequence 1012, Ap
702	71.5	4.0	1276	1	US-08-717-515-8	Sequence 8, Appl1	775	70.5	4.0	341	6	US-10-004-860-1012	Sequence 1012, Ap
703	71.5	4.0	1436	1	US-08-652-971-2	Sequence 2, Appl1	776	70.5	4.0	341	6	US-09-401-636-3	Sequence 3, Appl1
704	71.5	4.0	1436	1	US-08-991-258A-2	Sequence 2, Appl1	777	70.5	4.0	349	6	5510466-2	Patent No. 5510466
705	71.5	4.0	1436	1	US-08-766-399-2	Sequence 2, Appl1	778	70.5	4.0	355	2	US-09-811-673-2	Sequence 2, Appl1
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707	71.5	4.0	1724	2	US-09-607-510-2	Sequence 2, Appl1	780	70.5	4.0	388	1	US-08-456-956-2	Sequence 2, Appl1
708	71.5	4.0	171	2	US-09-996-611D-2	Sequence 2, Appl1	781	70.5	4.0	390	2	US-09-107-532A-4749	Sequence 4749, Ap
709	71	4.0	236	2	US-09-134-000C-4896	Sequence 4896, Ap	782	70.5	4.0	411	2	US-09-688-089-114	Sequence 114, App
710	71	4.0	250	2	US-09-853-450-30	Sequence 30, Appl1	783	70.5	4.0	453	6	5510466-4	Patent No. 5510466
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713	71	4.0	400	1	US-09-272-796-3	Sequence 3, Appl1	786	70.5	4.0	461	2	US-09-543-681A-7443	Sequence 7443, Ap
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715	71	4.0	469	2	US-08-363-215-1	Sequence 1, Appl1	788	70.5	4.0	506	2	US-08-942-012B-26	Sequence 26, Appl1
716	71	4.0	469	2	US-08-807-342B-6	Sequence 6, Appl1	789	70.5	4.0	506	2	US-09-252-991A-23541	Sequence 23541, A
717	71	4.0	474	2	US-09-328-352-5724	Sequence 5724, Ap	790	70.5	4.0	507	2	US-09-252-991A-22318	Sequence 22318, A
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720	71	4.0	530	2	US-09-041-886-29	Sequence 29, Appl1	793	70.5	4.0	700	2	US-10-104-047-2533	Sequence 2533, Ap
721	71	4.0	538	2	US-09-457-040B-23	Sequence 23, Appl1	794	70.5	4.0	770	2	US-09-252-991A-1916	Sequence 1916, A
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724	71	4.0	589	2	US-09-041-886-31	Sequence 31, Appl1	797	70.5	4.0	850	2	US-09-538-092-1332	Sequence 1332, Ap
725	71	4.0	593	2	US-08-964-268-2	Sequence 2, Appl1	798	70.5	4.0	971	2	US-09-618-425-9	Sequence 9, Appl1
726	71	4.0	593	2	US-09-105-254-2	Sequence 2, Appl1	799	70.5	4.0	1113	2	US-08-724-354D-2	Sequence 2, Appl1
727	71	4.0	593	2	US-10-413-536-2	Sequence 2, Appl1	800	70.5	4.0	1118	1	US-09-270-984A-1	Sequence 1, Appl1
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735	71	4.0	724	2	US-09-724-653-9	Sequence 9, Appl1	808	70.5	4.0	1447	2	US-08-918-658-19	Sequence 19, Appl1
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740	71	4.0	877	2	US-09-492-709A-353	Sequence 353, App	813	70.5	4.0	1447	2	US-08-916-140-19	Sequence 19, Appl1
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742	71	4.0	895	1	US-08-483-278-8	Sequence 8, Appl1	815	70.5	4.0	1586	2	US-09-543-681A-53329	Sequence 53329, Ap
743	71	4.0	895	2	US-09-949-016-6490	Sequence 6490, Ap	816	70.5	4.0	1586	2	US-09-252-991A-18159	Sequence 18159, A
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752	71	4.0	2319	1	US-08-212-133A-8	Sequence 8, Appl1	825	70	3.9	368	2	US-09-000-092-8	Sequence 10, Appl1
753	71	4.0	2319	1	US-08-474-503-6	Sequence 6, Appl1	826	70	3.9	368	2	US-09-000-092-10	Sequence 10, Appl1
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755	71	4.0	2319	2	US-09-037-601-6	Sequence 6, Appl1	828	70	3.9	543	1	US-08-224-482-4	Sequence 337, App
756	71	4.0	2319	2	US-09-315-179-6	Sequence 6, Appl1	829	70	3.9	543	2	US-09-702-705-337	Sequence 337, App
757	71	4.0	2319	4	PCT-US94-13200-6	Sequence 28, Appl1	830	70	3.9	543	2	US-09-736-457-337	Sequence 337, App

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832	70	3.9	543	2	US-09-671-325-337	Sequence 337, App	905	69.5	3.9	879	2	US-09-872-733A-16	Sequence 16, Appl
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836	70	3.9	543	2	US-10-017-754-337	Sequence 337, App	909	69.5	3.9	972	2	US-09-469-200B-9	Sequence 9, Appli
837	70	3.9	543	2	US-09-651-563-337	Sequence 337, App	910	69.5	3.9	972	2	US-10-172-527A-10	Sequence 10, Appl
838	70	3.9	543	2	US-09-519-642-337	Sequence 337, App	911	69.5	3.9	1233	2	US-09-605-703B-2638	Sequence 2638, Ap
839	70	3.9	601	2	US-10-104-047-3005	Sequence 3005, Ap	912	69.5	3.9	1264	1	US-07-789-915A-6	Sequence 6, Appli
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842	70	3.9	625	2	US-09-832-129-37	Sequence 37, Appl	915	69.5	3.9	1484	2	US-09-902-540A-14332	Sequence 14332, A
843	70	3.9	625	2	US-09-196-270-6	Sequence 6, Appli	916	69.5	3.9	1493	2	US-09-713-273A-20	Sequence 20, Appl
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845	70	3.9	625	2	US-09-487-558B-294	Sequence 294, App	918	69	3.9	222	1	US-09-151-052-2	Sequence 2, Appli
846	70	3.9	656	2	US-09-248-796A-15211	Sequence 15211, A	919	69	3.9	238	2	US-09-270-767-73315	Sequence 33105, A
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851	70	3.9	1007	2	US-09-538-092-736	Sequence 736, App	924	69	3.9	323	2	US-10-012-331A-210	Sequence 210, App
852	70	3.9	1088	2	US-09-233-857-4	Sequence 4, Appli	925	69	3.9	323	2	US-10-015-389A-210	Sequence 210, App
853	70	3.9	1190	1	US-08-337-630A-2	Sequence 2, Appli	926	69	3.9	323	2	US-10-006-768A-210	Sequence 210, App
854	70	3.9	1190	2	US-09-048-887-2	Sequence 2, Appli	927	69	3.9	323	2	US-10-015-671A-210	Sequence 210, App
855	70	3.9	1455	1	US-08-726-012B-2	Sequence 2, Appli	928	69	3.9	323	2	US-10-015-393A-210	Sequence 210, App
856	70	3.9	1527	2	US-09-376-330-2	Sequence 2, Appli	929	69	3.9	323	2	US-10-011-833A-210	Sequence 210, App
857	69.5	3.9	108	2	US-09-199-637A-391	Sequence 391, App	930	69	3.9	323	2	US-10-006-044A-210	Sequence 210, App
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860	69.5	3.9	223	2	US-09-949-016-10045	Sequence 10045, A	933	69	3.9	364	2	US-09-755-665-6-4	Sequence 64, Appl
861	69.5	3.9	285	2	US-09-886-319A-82	Sequence 82, Appl	934	69	3.9	390	2	US-10-245-227D-2	Sequence 2, Appli
862	69.5	3.9	296	2	US-09-248-796A-16611	Sequence 16691, A	935	69	3.9	393	1	US-08-837-593-2	Sequence 34, Appl
863	69.5	3.9	344	2	US-09-134-001C-4175	Sequence 4175, Ap	936	69	3.9	395	2	US-09-755-665-14	Sequence 12, Appl
864	69.5	3.9	344	2	US-09-199-637A-313	Sequence 313, App	937	69	3.9	400	1	US-08-530-950-12	Sequence 12, Appl
865	69.5	3.9	355	2	US-09-616-506-3	Sequence 3, Appli	938	69	3.9	400	2	US-08-888-429A-12	Sequence 12, Appl
866	69.5	3.9	355	2	US-09-616-506-4	Sequence 4, Appli	939	69	3.9	400	2	US-09-149-879-12	Sequence 12, Appl
867	69.5	3.9	355	2	US-09-574-377-31	Sequence 31, Appl	940	69	3.9	400	2	US-09-057-009-12	Sequence 12, Appl
868	69.5	3.9	355	2	US-09-811-673-4	Sequence 4, Appli	941	69	3.9	400	2	US-09-593-653-12	Sequence 12, Appl
869	69.5	3.9	355	2	US-10-184-194-31	Sequence 31, Appl	942	69	3.9	400	2	US-09-134-000C-3791	Sequence 3791, Ap
870	69.5	3.9	364	2	US-09-270-767-43896	Sequence 43896, A	943	69	3.9	461	2	US-09-328-352-7746	Sequence 7746, Ap
871	69.5	3.9	375	2	US-09-638-937-13	Sequence 13, Appl	944	69	3.9	484	2	US-10-104-047-2240	Sequence 2240, Ap
872	69.5	3.9	376	2	US-09-538-092-1276	Sequence 1276, Ap	945	69	3.9	567	2	US-09-583-110-6823	Sequence 4823, Ap
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874	69.5	3.9	380	1	US-08-977-818-4	Sequence 4, Appli	947	69	3.9	576	2	US-09-107-433-1103	Sequence 4103, Ap
875	69.5	3.9	380	1	US-08-670-274B-4	Sequence 4, Appli	948	69	3.9	579	2	US-09-902-540-16017	Sequence 16017, A
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878	69.5	3.9	387	1	US-08-837-593-4	Sequence 4, Appli	951	69	3.9	599	4	PCT-US95-04075-2	Sequence 2, Appli
879	69.5	3.9	388	1	US-08-894-772-2	Sequence 2, Appli	952	69	3.9	604	2	US-09-902-540-14691	Sequence 14691, A
880	69.5	3.9	388	1	US-09-207-844-2	Sequence 2, Appli	953	69	3.9	608	2	US-09-114-001C-3855	Sequence 3855, Ap
881	69.5	3.9	388	1	US-09-248-786A-23255	Sequence 23255, A	954	69	3.9	611	2	US-09-248-796A-16130	Sequence 16130, A
882	69.5	3.9	390	1	US-08-786-999-1	Sequence 1, Appli	955	69	3.9	647	2	US-09-543-681A-5240	Sequence 5240, Ap
883	69.5	3.9	390	2	US-09-216-387-1	Sequence 1, Appli	956	69	3.9	660	2	US-09-462-606-54	Sequence 54, Appl
884	69.5	3.9	390	2	US-09-886-319A-2	Sequence 2, Appli	957	69	3.9	662	2	US-09-252-991A-18392	Sequence 18392, A
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886	69.5	3.9	393	2	US-10-286-606-2	Sequence 2, Appli	959	69	3.9	729	2	US-09-625-188-30	Sequence 20, Appli
887	69.5	3.9	403	2	US-09-949-016-11251	Sequence 11251, A	960	69	3.9	744	2	US-09-785-381-1	Sequence 1, Appli
888	69.5	3.9	432	2	US-09-902-540-10924	Sequence 10924, A	961	69	3.9	770	2	US-09-270-767-33871	Sequence 33871, Ap
889	69.5	3.9	478	2	US-09-252-991A-32479	Sequence 32479, A	962	69	3.9	797	2	US-09-949-016-6761	Sequence 6761, Ap
890	69.5	3.9	494	2	US-09-614-912-128	Sequence 128, App	963	69	3.9	915	2	US-09-817-514A-6	Sequence 6, Appli
891	69.5	3.9	552	2	US-09-270-767-33451	Sequence 33451, A	964	69	3.9	935	2	US-09-271-438A-3	Sequence 3, Appli
892	69.5	3.9	552	2	US-09-270-767-48666	Sequence 48666, A	965	69	3.9	935	2	US-09-271-438A-8	Sequence 8, Appli
893	69.5	3.9	587	1	US-07-955-905A-23	Sequence 23, Appl	966	69	3.9	935	2	US-10-078-107-1	Sequence 1, Appli
894	69.5	3.9	602	2	US-09-257-450-15	Sequence 15, Appl	967	69	3.9	935	2	US-10-077-751-1	Sequence 1, Appli
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896	69.5	3.9	632	1	US-08-442-859-4	Sequence 4, Appli	969	69	3.9	965	2	US-09-437-277-3	Sequence 3, Appli
897	69.5	3.9	632	1	US-08-398-489-4	Sequence 4, Appli	970	69	3.9	976	1	US-08-449-645A-18	Sequence 18, Appl
898	69.5	3.9	632	4	PCT-US95-05534-4	Sequence 4, Appli	971	69	3.9	976	1	US-08-702-367A-18	Sequence 18, Appl
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902	69.5	3.9	824	1	US-08-785-310A-7	Sequence 7, Appli	975	69	3.9	1013	2	US-09-949-016-7991	Sequence 7991, Ap
903	69.5	3.9	854	2	US-09-206-551-16	Sequence 16, Appl	976	69	3.9	1016	2	US-09-252-991A-25429	Sequence 25429, A

977	69	3.9	1137	2	US-09-902-481B-3	Sequence 3, Appl1	1050	68.5	3.9	479	2	US-08-983-502-7	Sequence 7, Appl1
978	69	3.9	1137	2	US-09-902-481B-4	Sequence 4, Appl1	1051	68.5	3.9	479	2	US-09-516-747-7	Sequence 7, Appl1
979	69	3.9	1137	2	US-09-902-481B-5	Sequence 5, Appl1	1052	68.5	3.9	479	2	US-09-851-873-101	Sequence 101, App
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993	69	3.9	1153	1	US-08-605-672-3	Sequence 3, Appl1	1066	68.5	3.9	597	1	US-08-607-321-4	Sequence 4, Appl1
994	69	3.9	1153	1	US-08-482-293A-3	Sequence 3, Appl1	1067	68.5	3.9	597	1	US-08-961-240-4	Sequence 4, Appl1
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997	69	3.9	1153	2	US-09-688-307A-3	Sequence 3, Appl1	1070	68.5	3.9	598	1	US-08-607-321-14	Sequence 14, Appl1
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1006	69	3.9	3165	1	US-08-459-146-3	Sequence 3, Appl1	1079	68.5	3.9	766	2	US-09-174-437-2	Sequence 2, Appl1
1007	69	3.9	3165	1	US-08-459-065-3	Sequence 3, Appl1	1080	68.5	3.9	766	2	US-09-686-055A-2	Sequence 2, Appl1
1008	69	3.9	3913	2	US-09-949-016-10933	Sequence 10933, A	1081	68.5	3.9	779	1	US-08-951-648-6	Sequence 6, Appl1
1009	69	3.9	4377	2	US-09-198-452A-284	Sequence 284, App	1082	68.5	3.9	779	2	US-09-174-437-6	Sequence 6, Appl1
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1012	68.5	3.9	245	2	US-08-983-502-20	Sequence 20, Appl1	1085	68.5	3.9	835	2	US-09-902-540-11561	Sequence 11561, A
1013	68.5	3.9	266	2	US-09-516-747-20	Sequence 20, Appl1	1086	68.5	3.9	835	2	US-09-902-540-16200	Sequence 16200, A
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1015	68.5	3.9	266	4	PCT-US96-10521-20	Sequence 3575, Ap	1088	68.5	3.9	947	2	US-08-304-309-4	Sequence 4, Appl1
1016	68.5	3.9	267	2	US-09-107-433-3575	Sequence 1, Appl1	1089	68.5	3.9	1025	2	US-08-991-942-4	Sequence 4, Appl1
1017	68.5	3.9	286	2	US-09-360-017-1	Sequence 1, Appl1	1090	68.5	3.9	1025	2	US-08-396-479B-12	Sequence 12, Appl1
1018	68.5	3.9	287	2	US-09-583-110-4372	Sequence 4372, Ap	1091	68.5	3.9	1068	1	US-08-818-823-12	Sequence 12, Appl1
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1024	68.5	3.9	335	2	US-08-983-502-16	Sequence 16, Appl1	1097	68.5	3.9	1162	2	US-09-894-273-2	Sequence 10338, A
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1026	68.5	3.9	335	4	PCT-US96-10521-16	Sequence 16, Appl1	1099	68.5	3.9	1729	2	US-09-626-115B-2	Sequence 98, Appl1
1027	68.5	3.9	375	2	US-09-828-313-34	Sequence 34, Appl1	1100	68.5	3.9	1897	2	US-09-792-024-98	Sequence 12, Appl1
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1044	68.5	3.9	479	2	US-09-382-155-26	Sequence 26, Appl1	1117	68	3.8	360	2	US-10-070-464-7	Sequence 7, Appl1
1045	68.5	3.9	479	2	US-09-382-155-28	Sequence 28, Appl1	1118	68	3.8	362	2	US-09-949-002-476	Sequence 476, App
1046	68.5	3.9	479	2	US-09-001-777-12	Sequence 12, Appl1	1119	68	3.8	362	2	US-09-949-002-480	Sequence 480, App
1047	68.5	3.9	479	2	US-09-074-044A-26	Sequence 26, Appl1	1120	68	3.8	367	2	US-09-902-540-10526	Sequence 10526, A
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1124	68	3.8	384	2	US-09-354-231B-8	Sequence 8, Appl	1197	67.5	3.8	151	2	US-09-270-767-53899	Sequence 53899, A
1125	68	3.8	384	2	US-09-128-602B-8	Sequence 8, Appl	1198	67.5	3.8	153	2	US-09-270-767-35907	Sequence 35907, A
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1131	68	3.8	431	2	US-09-996-617-4	Sequence 4, Appl	1204	67.5	3.8	205	2	US-10-012-231A-287	Sequence 287, App
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1133	68	3.8	445	2	US-09-270-767-46492	Sequence 46492, A	1206	67.5	3.8	205	2	US-10-006-768A-287	Sequence 287, App
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1143	68	3.8	512	1	US-08-008-962-4	Sequence 4, Appl	1216	67.5	3.8	261	1	US-08-484-905-111	Sequence 111, App
1144	68	3.8	512	1	US-08-675-507-4	Sequence 4, Appl	1217	67.5	3.8	261	2	US-08-481-985B-111	Sequence 111, App
1145	68	3.8	512	1	US-09-213-205-4	Sequence 4, Appl	1218	67.5	3.8	261	2	US-08-370-476-111	Sequence 111, App
1146	68	3.8	512	4	PCT-US93-05640-4	Sequence 4, Appl	1219	67.5	3.8	271	2	US-09-248-796A-22728	Sequence 22728, A
1147	68	3.8	513	2	US-09-068-804-14	Sequence 14, Appl	1220	67.5	3.8	274	2	US-10-012-819-102	Sequence 102, App
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1149	68	3.8	521	2	US-10-087-167-90	Sequence 90, Appl	1222	67.5	3.8	314	2	US-09-252-991A-18836	Sequence 18836, A
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1444	66.5	3.7	475	1	US-08-904-278-2
1445	66.5	3.7	475	1	US-08-904-278-4
1446	66.5	3.7	475	2	US-09-076-137-8
1447	66.5	3.7	475	2	US-07-941-650A-6
1448	66.5	3.7	475	2	US-09-222-594-2
1449	66.5	3.7	475	2	US-09-222-594-4
1450	66.5	3.7	475	2	US-09-738-363-8
1451	66.5	3.7	475	2	US-09-977-653-2
1452	66.5	3.7	475	2	US-09-977-653-8
1453	66.5	3.7	475	4	PCR-US92-03664-8
1454	66.5	3.7	475	4	PCR-US92-11337-2
1455	66.5	3.7	475	4	PCR-US93-07409-2
1456	66.5	3.7	483	1	US-08-583-562B-12
1457	66.5	3.7	483	1	US-08-779-113-12
1458	66.5	3.7	486	2	US-09-248-796A-187277
1459	66.5	3.7	491	2	US-09-248-796A-267333
1460	66.5	3.7	495	2	US-09-734-237B-62
1461	66.5	3.7	496	2	US-09-734-237B-64
1462	66.5	3.7	499	2	US-09-509-902A-12
1463	66.5	3.7	499	2	US-10-024-828-12
1464	66.5	3.7	500	2	US-09-949-016-8865
1465	66.5	3.7	510	2	US-09-121-211-16
1466	66.5	3.7	567	2	US-08-566-277-19
1467	66.5	3.7	588	2	US-09-509-902A-16
1468	66.5	3.7	588	2	US-10-024-828-16
1469	66.5	3.7	590	2	US-09-134-000C-4456
1470	66.5	3.7	615	2	US-08-989-229-11
1471	66.5	3.7	615	2	US-08-407-442-11
1472	66.5	3.7	615	2	US-09-635-501-11
1473	66.5	3.7	616	2	US-09-298-367B-11
1474	66.5	3.7	648	2	US-09-262-777-2
1475	66.5	3.7	648	2	US-09-949-016-6365
1476	66.5	3.7	659	2	US-09-955-733A-2
1477	66.5	3.7	665	2	US-09-949-016-10990
1478	66.5				

Sequence 7723, A
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Sequence 12539, A
Sequence 45921, A
Sequence 27277, A
Sequence 6906, App
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Sequence 4456, App
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Sequence 4508, App
Sequence 28287, A
Sequence 5118, App
Sequence 4834, App
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Sequence 30, App1
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Sequence 2, App1
Sequence 2378, App
Sequence 2, App1

1488	66.5	3.7	858	1	US-08-583-5628-2	Sequence 2, Appl1
1489	66.5	3.7	927	2	US-09-248-786A-14284	Sequence 14284, A
1490	66.5	3.7	1049	2	US-10-018-730A-4	Sequence 4, Appl1
1491	66.5	3.7	1082	2	US-09-336-643A-20	Sequence 20, Appl1
1492	66.5	3.7	1287	2	US-09-252-943A-29606	Sequence 29606, A
1493	66.5	3.7	1319	2	US-09-538-092-1291	Sequence 1291, Ap
1494	66.5	3.7	1403	1	US-08-694-865-17	Sequence 17, Appl
1495	66.5	3.7	1403	2	US-09-134-491-17	Sequence 17, Appl
1496	66.5	3.7	1403	2	US-09-383-912-17	Sequence 17, Appl
1497	66.5	3.7	1421	2	US-09-252-991A-17805	Sequence 17805, A
1498	66.5	3.7	1443	1	US-08-670-707A-39	Sequence 39, Appl
1499	66.5	3.7	1443	2	US-09-037-601-19	Sequence 39, Appl
1500	66.5	3.7	1443	2	US-09-315-179-39	Sequence 39, Appl

ALIGNMENTS

RESULT 1	
US-10-012-231A-423	
Sequence 423, Application US/10012231A	
Patent No. 6924355	
GENERAL INFORMATION:	
APPLICANT: Baker, Kevin P.	
APPLICANT: Botstein, David	
APPLICANT: Deanoysers, Luc	
APPLICANT: Eaton, Dan I.	
APPLICANT: Ferrara, Napoleone	
APPLICANT: Fong, Sherman	
APPLICANT: Gao, Wei-Qiang	
APPLICANT: Goddard, Audrey	
APPLICANT: Godowski, Paul J.	
APPLICANT: Grimaldi, Christopher J.	
APPLICANT: Gurney, Austin L.	
APPLICANT: Hillan, Kenneth J.	
APPLICANT: Pan, James	
APPLICANT: Paoni, Nicholas F.	
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic	
TITLE OF INVENTION: Acids Encoding the Same	
FILE REFERENCE: P2830P1C23	
CURRENT APPLICATION NUMBER: US/10/012.231A	
CURRENT FILING DATE: 2002-06-10	
Prior Application removed - See File Wrapper or Palm	
NUMBER OF SEQ ID NOS: 477	
SEQ ID NO 423	
LENGTH: 337	
TYPE: PRT	
ORGANISM: Homo sapiens	
US-10-012-231A-423	
Query Match	100.0%; Score 1779; DB 2; Length 337;
Best Local Similarity	100.0%; Pred. No. 1,6e-179;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
1 MLFSALLLEVIWILADGGQHWTYEGHGQDHPDASYPECGNNAQSPIDIQTDSVTEDPD	60
1 MLFSALLLEVIWILADGGQHWTYEGHGQDHPDASYPECGNNAQSPIDIQTDSVTEDPD	60
1 MLFSALLLEVIWILADGGQHWTYEGHGQDHPDASYPECGNNAQSPIDIQTDSVTEDPD	60
61 LPAIQPHGYDPPGTEPELDLHNNGHVTQLSLPSTLYLGGLPRKYYAAQULHLMWGKSGPG	120
61 LPAIQPHGYDPPGTEPELDLHNNGHVTQLSLPSTLYLGGLPRKYYAAQULHLMWGKSGPG	120
61 LPAIQPHGYDPPGTEPELDLHNNGHVTQLSLPSTLYLGGLPRKYYAAQULHLMWGKSGPG	120
121 SEHOINSATPAELHIVYDSDYSLSAERPOGLAVLGLILEVGETKNAIEHLISH	180
121 SEHOINSATPAELHIVYDSDYSLSAERPOGLAVLGLILEVGETKNAIEHLISH	180
121 SEHOINSATPAELHIVYDSDYSLSAERPOGLAVLGLILEVGETKNAIEHLISH	180
181 LHEVRHKDQKTSVPPFNRLRELLPKQLQCYFRYNGSLTTPPCYQSVLMTVFRRSQISMEQ	240
181 LHEVRHKDQKTSVPPFNRLRELLPKQLQCYFRYNGSLTTPPCYQSVLMTVFRRSQISMEQ	240
181 LHEVRHKDQKTSVPPFNRLRELLPKQLQCYFRYNGSLTTPPCYQSVLMTVFRRSQISMEQ	240
241 LKXQGLTFSTEEBPSKLVNRYALPLPINOHWFAAFIOAGSSYTTGEMSLGVGLVG	300
241 LKXQGLTFSTEEBPSKLVNRYALPLPINOHWFAAFIOAGSSYTTGEMSLGVGLVG	300
241 LKXQGLTFSTEEBPSKLVNRYALPLPINOHWFAAFIOAGSSYTTGEMSLGVGLVG	300

APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2830P1C47
CURRENT APPLICATION NUMBER: US/10/015.671A
CURRENT FILING DATE: 2001-12-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 423
LENGTH: 337
TYPE: PRT
ORGANISM: Homo sapiens
US-10-015-671A-423

Query Match 100.0%; Score 1779; DB 2; Length 337;
Best Local Similarity 100.0%; Pred. No. 1.6e-179;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLFSALLLEVIWILAADGGHWTYEGPHGDHPASYPECGNNAQSPIDIDTDSVTDPD 60
DB 1 MLFSALLLEVIWILAADGGHWTYEGPHGDHPASYPECGNNAQSPIDIDTDSVTDPD 60

QY 61 LPAIQPHGYDQPGTEPDLHNNHGTVOLSLPSTLYLGSLPRKYVAAQLHLHWGKSPGG 120
DB 61 LPAIQPHGYDQPGTEPDLHNNHGTVOLSLPSTLYLGSLPRKYVAAQLHLHWGKSPGG 120

QY 121 SEHQINSEATFAELHIYHSDSYDSLSEAERPOGLAVGILLEVGETKNIAVEHLISH 180
DB 121 SEHQINSEATFAELHIYHSDSYDSLSEAERPOGLAVGILLEVGETKNIAVEHLISH 180

QY 181 LHEVRHNDOKTSVPPFNRLRELPKQLQGYFRYNGSLTPPCYQSVLMTVFRSQISMEO 240
DB 181 LHEVRHNDOKTSVPPFNRLRELPKQLQGYFRYNGSLTPPCYQSVLMTVFRSQISMEO 240

QY 241 LEKIQTLFSTEEBPSKLVQNYRALQPLNQRWVFAFIOAGSSYTTGEMLSLGVGLV 300
DB 241 LEKIQTLFSTEEBPSKLVQNYRALQPLNQRWVFAFIOAGSSYTTGEMLSLGVGLV 300

QY 301 CLCLLAIFYFIARKIRKKRLNRKSVVFTSAQATTEA 337
DB 301 CLCLLAIFYFIARKIRKKRLNRKSVVFTSAQATTEA 337

RESULT 5
US-10-015-393A-423
Sequence 423, Application US/10015393A
Patent No. 6951737
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Baton, Dan I.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2830P1C46
CURRENT APPLICATION NUMBER: US/10/015.393A
CURRENT FILING DATE: 2002-06-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 423
LENGTH: 337
TYPE: PRT
ORGANISM: Homo sapiens

US-10-015-393A-423

Query Match 100.0%; Score 1779; DB 2; Length 337;
Best Local Similarity 100.0%; Pred. No. 1.6e-179;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLFSALLLEVIWILAADGGHWTYEGPHGDHPASYPECGNNAQSPIDIDTDSVTDPD 60
DB 1 MLFSALLLEVIWILAADGGHWTYEGPHGDHPASYPECGNNAQSPIDIDTDSVTDPD 60

QY 61 LPAIQPHGYDQPGTEPDLHNNHGTVOLSLPSTLYLGSLPRKYVAAQLHLHWGKSPGG 120
DB 61 LPAIQPHGYDQPGTEPDLHNNHGTVOLSLPSTLYLGSLPRKYVAAQLHLHWGKSPGG 120

QY 121 SEHQINSEATFAELHIYHSDSYDSLSEAERPOGLAVGILLEVGETKNIAVEHLISH 180
DB 121 SEHQINSEATFAELHIYHSDSYDSLSEAERPOGLAVGILLEVGETKNIAVEHLISH 180

QY 181 LHEVRHNDOKTSVPPFNRLRELPKQLQGYFRYNGSLTPPCYQSVLMTVFRSQISMEO 240
DB 181 LHEVRHNDOKTSVPPFNRLRELPKQLQGYFRYNGSLTPPCYQSVLMTVFRSQISMEO 240

QY 241 LEKIQTLFSTEEBPSKLVQNYRALQPLNQRWVFAFIOAGSSYTTGEMLSLGVGLV 300
DB 241 LEKIQTLFSTEEBPSKLVQNYRALQPLNQRWVFAFIOAGSSYTTGEMLSLGVGLV 300

QY 301 CLCLLAIFYFIARKIRKKRLNRKSVVFTSAQATTEA 337
DB 301 CLCLLAIFYFIARKIRKKRLNRKSVVFTSAQATTEA 337

RESULT 6
US-10-011-833A-423
Sequence 423, Application US/10011833A
Patent No. 6951920
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Baton, Dan I.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2830P1C22
CURRENT APPLICATION NUMBER: US/10/011.833A
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 423
LENGTH: 337
TYPE: PRT
ORGANISM: Homo sapiens
US-10-011-833A-423

Query Match 100.0%; Score 1779; DB 2; Length 337;
Best Local Similarity 100.0%; Pred. No. 1.6e-179;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLFSALLLEVIWILAADGGHWTYEGPHGDHPASYPECGNNAQSPIDIDTDSVTDPD 60
DB 1 MLFSALLLEVIWILAADGGHWTYEGPHGDHPASYPECGNNAQSPIDIDTDSVTDPD 60

QY 61 LPAIQPHGYDQPGTEPDLHNNHGTVOLSLPSTLYLGSLPRKYVAAQLHLHWGKSPGG 120
DB 61 LPAIQPHGYDQPGTEPDLHNNHGTVOLSLPSTLYLGSLPRKYVAAQLHLHWGKSPGG 120

Db 121 SEHOINSEATFAELHIVHYSDSYSLSEAEAPGGLAVLGILIEVGETKNIAVEHILSH 180
Qy 181 LHEVRHDOQKTSVPEPNLRELLPKOLGOYFRYNSLTTPPCQSVLMTVFRRSQISMEQ 240
Db 181 LHEVRHDOQKTSVPEPNLRELLPKOLGOYFRYNSLTTPPCQSVLMTVFRRSQISMEQ 240
Qy 241 LEKLOGLFSTEERPSKLVONRYALOPINOMVAFSFIQAGSSYTTGEMLSLGVILVG 300
Db 241 LEKLOGLFSTEERPSKLVONRYALOPINOMVAFSFIQAGSSYTTGEMLSLGVILVG 300
Qy 301 CLCLLAVYFIARKIRKRLNKRKSVFTSAQATTEA 337
Db 301 CLCLLAVYFIARKIRKRLNKRKSVFTSAQATTEA 337

RESULT 9
US-08-276-919-2
Sequence 2, Application US/08276919
Patent No. 5589579
GENERAL INFORMATION:
APPLICANT: Torczynski, Richard M.
APPLICANT: Bollon, Arthur P.
TITLE OF INVENTION: Lung Cancer Marker
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESSES:
ADDRESSEE: RICHARDS, MEDLOCK & ANDREWS
STREET: 1201 Elm Street, Suite 4500
CITY: Dallas
STATE: TX
COUNTRY: US
ZIP: 75270-2197
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/276,919
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Nelligan, Mark C.
REGISTRATION NUMBER: 36,389
REFERENCE/DOCKET NUMBER: B35792
TELECOMMUNICATION INFORMATION:
TELEPHONE: 214-939-4500
TELEFAX: 214-939-4600
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 354 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-276-919-2

Query Match 39.2%; Score 696.5; DB 1; Length 354;
Best Local Similarity 43.5%; Pred. No. 6.7e-65;
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;
Qy 19 GQHWYEGPGQDMPASYPECGNNAOSPIDIQDTSVTFPBDLPALOPHGYDQGTBLD 78
Db 29 GSKMTYFGPGDENWSKRYPCGGLDLPIDHSDIIOYDASLTPLPEQGNLSANKOFL 88
Qy 79 LHNNGHTVOLSLPSTLYLIGLPKRYVAQAOLHLHWGQKSPGSGSEHQINSEATFAELHIV 138
Db 89 LTNNGHVKLNLPSDMHIOGLQSRYSATQHLHMGNDPNDPGSEHTVSGQHPAELHIVH 148
Qy 139 YDSYDYSLSAEARPGGLAVLGLIEVGETKNIAVEHILSHLHEVRHDOQKTSVPPNL 198
Db 149 YNSDLYPDASTASKSSGLAVLAVLIEHG-SFNPSYDKIFSHLOHVYKKGQBAFVPGFNI 207
Qy 199 RELPKOLGOYFRYNSLTTPPCQSVLMTVFRRSQISMEQLEKLOGLFSTEBEERS- 256
Db 199 RELPKOLGOYFRYNSLTTPPCQSVLMTVFRRSQISMEQLEKLOGLFSTEBEERS- 256

Db 208 EELLPERTAEYRYRGSLTTPPCNPVLTWFRNPVQISOQLALLETALCYTHMDPSP 267
Qy 257 KLVQNRALQPLNORWVAFSFIQAGSSYTTGEMLSIGV-----GILVGCILCLLAVY 309
Db 268 REMINNRQOVQKFERLVTYSFSQV--OVCTPAAGLSKGIILSLALAGILGICIVVWSIW 325
Qy 310 FIARKIRKRLNKRKSVFTSA-QATTEA 337
Db 326 LFRKRSYK--GDNKGVIYKRAITQMETEA 352

RESULT 10
US-08-776-088-2
Sequence 2, Application US/08776088
Patent No. 5773579
GENERAL INFORMATION:
APPLICANT: Torczynski, Richard M.
APPLICANT: Bollon, Arthur P.
TITLE OF INVENTION: Lung Cancer Marker
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SIDLEY & AUSTIN
STREET: 1201 Elm Street, Suite 4500
CITY: Dallas
STATE: TX
COUNTRY: US
ZIP: 75270-2197
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/776,088
FILING DATE: 19-JUL-95
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugenia S. Hansen
REGISTRATION NUMBER: 31,966
REFERENCE/DOCKET NUMBER: 10365/05011
TELECOMMUNICATION INFORMATION:
TELEPHONE: 214-981-3400
TELEFAX: 214-981-3300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 354 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-776-088-2

Query Match 39.2%; Score 696.5; DB 1; Length 354;
Best Local Similarity 43.5%; Pred. No. 6.7e-65;
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;
Qy 19 GQHWYEGPGQDMPASYPECGNNAOSPIDIQDTSVTFPBDLPALOPHGYDQGTBLD 78
Db 29 GSKMTYFGPGDENWSKRYPCGGLDLPIDHSDIIOYDASLTPLPEQGNLSANKOFL 88
Qy 79 LHNNGHTVOLSLPSTLYLIGLPKRYVAQAOLHLHWGQKSPGSGSEHQINSEATFAELHIV 138
Db 89 LTNNGHVKLNLPSDMHIOGLQSRYSATQHLHMGNDPNDPGSEHTVSGQHPAELHIVH 148
Qy 139 YDSYDYSLSAEARPGGLAVLGLIEVGETKNIAVEHILSHLHEVRHDOQKTSVPPNL 198
Db 149 YNSDLYPDASTASKSSGLAVLAVLIEHG-SFNPSYDKIFSHLOHVYKKGQBAFVPGFNI 207
Qy 199 RELPKOLGOYFRYNSLTTPPCQSVLMTVFRRSQISMEQLEKLOGLFSTEBEERS- 256
Db 208 EELLPERTAEYRYRGSLTTPPCNPVLTWFRNPVQISOQLALLETALCYTHMDPSP 267
Qy 257 KLVQNRALQPLNORWVAFSFIQAGSSYTTGEMLSIGV-----GILVGCILCLLAVY 309
Db 257 KLVQNRALQPLNORWVAFSFIQAGSSYTTGEMLSIGV-----GILVGCILCLLAVY 309

Db 268 REMINNFQVQKPEDERLVYTSFSQV--QVCTAAGLSIGIILSLALAGILGICIVVWSIW 325
QY 310 FIARKIRKRLNKRKSVFTSA-QATTEA 337
Db 326 LFRKRSIKK--GDNKGVIYKPAITMETEA 352

RESULT 11
US-08-776-088-6
Sequence 6, Application US/08776088
Patent No. 5773579
GENERAL INFORMATION:
APPLICANT: Torczynski, Richard M.
APPLICANT: Bollon, Arthur P.
TITLE OF INVENTION: Lung Cancer Marker
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: SIDLEY & AUSTIN
STREET: 1201 Elm Street, Suite 4500
CITY: Dallas
STATE: TX
COUNTRY: US
ZIP: 75270-2197
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/776,088
FILING DATE: 19-JUL-95
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Eugenia S. Hansen
REGISTRATION NUMBER: 31,966
REFERENCE/DOCKET NUMBER: 10365/05011
TELECOMMUNICATION INFORMATION:
TELEPHONE: 214-981-3300
TELEFAX: 214-981-3400
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 354 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-776-088-6

Query Match 39.2%; Score 696.5; DB 1; Length 354;
Best Local Similarity 43.5%; Pred. No. 6.7e-65;
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

QY 19 GQHTYBPGHQDHPAPSYPECGNNAQSPIDICTDVSVPDPDLPALOPHGYDQGPTEPLD 78
Db 29 GSKWTYFPGDGENMSKRYPCGGLQSPIDHSILQYDASLTLPLEFGYNLSANKQFL 88
QY 79 LNNHGTVOQLSPSTLYLGLEPRKYVAAQLHLHWGQKSPGSGHQINSSEATFAELHIVH 138
Db 89 LTNNGHSVKNLPSDMHIQGLQSRYSATQLHLHGNPNDRPHGSEHTVSGQHPAELHIVH 148
QY 139 YDSDSYSLSEAAERPGGLAVLGLIEVGETKNIAVEHILSHLHEVRHKDQKTSVPPNLL 198
Db 149 YNSDLYPDASTASNKSGGLAVLAVLEMG-SFNPSYDKIFSHLQHVKKKGQEAFFPGFNI 207
QY 199 RELPKQLQGFYRNGSLTTPPCYQSVLMTVFFYRRSQISMQLMEQLQGLTFSTFEEBPS- 256
Db 208 EELLPERTAEYRYRGSGLTTPPCNPTVMTVFRNPVOISQQLALLETALYCTHMDDBSP 267
QY 257 KLVQNYRALQPLNQRWVAFSFIQAGSSYTTGEMLSIGV-----GILVGLCLLLAVY 309
Db 268 REMINNFQVQKPEDERLVYTSFSQV--QVCTAAGLSIGIILSLALAGILGICIVVWSIW 325
QY 310 FIARKIRKRLNKRKSVFTSA-QATTEA 337

Db 326 LFRKRSIKK--GDNKGVIYKPAITMETEA 352

RESULT 12
US-09-325-320-2
Sequence 2, Application US/09325320
Patent No. 6117981
GENERAL INFORMATION:
APPLICANT: Torczynski, Richard M.
APPLICANT: Bollon, Arthur P.
TITLE OF INVENTION: HYBRIDOMAS FOR LUNG CANCER MARKER AND MONOCLONAL
FILE REFERENCE: 10365/06101
CURRENT APPLICATION NUMBER: US/09/325,320
CURRENT FILING DATE: 1999-06-03
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 2
LENGTH: 354
TYPE: PRT
ORGANISM: Homo sapiens
US-09-325-320-2

Query Match 39.2%; Score 696.5; DB 2; Length 354;
Best Local Similarity 43.5%; Pred. No. 6.7e-65;
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

QY 19 GQHTYBPGHQDHPAPSYPECGNNAQSPIDICTDVSVPDPDLPALOPHGYDQGPTEPLD 78
Db 29 GSKWTYFPGDGENMSKRYPCGGLQSPIDHSILQYDASLTLPLEFGYNLSANKQFL 88
QY 79 LNNHGTVOQLSPSTLYLGLEPRKYVAAQLHLHWGQKSPGSGHQINSSEATFAELHIVH 138
Db 89 LTNNGHSVKNLPSDMHIQGLQSRYSATQLHLHGNPNDRPHGSEHTVSGQHPAELHIVH 148
QY 139 YDSDSYSLSEAAERPGGLAVLGLIEVGETKNIAVEHILSHLHEVRHKDQKTSVPPNLL 198
Db 149 YNSDLYPDASTASNKSGGLAVLAVLEMG-SFNPSYDKIFSHLQHVKKKGQEAFFPGFNI 207
QY 199 RELPKQLQGFYRNGSLTTPPCYQSVLMTVFFYRRSQISMQLMEQLQGLTFSTFEEBPS- 256
Db 208 EELLPERTAEYRYRGSGLTTPPCNPTVMTVFRNPVOISQQLALLETALYCTHMDDBSP 267
QY 257 KLVQNYRALQPLNQRWVAFSFIQAGSSYTTGEMLSIGV-----GILVGLCLLLAVY 309
Db 268 REMINNFQVQKPEDERLVYTSFSQV--QVCTAAGLSIGIILSLALAGILGICIVVWSIW 325
QY 310 FIARKIRKRLNKRKSVFTSA-QATTEA 337
Db 326 LFRKRSIKK--GDNKGVIYKPAITMETEA 352

RESULT 13
US-09-585-109-2
Sequence 2, Application US/09585109
Patent No. 6242204
GENERAL INFORMATION:
APPLICANT: Torczynski, Richard M.
APPLICANT: Bollon, Arthur P.
TITLE OF INVENTION: HYBRIDOMAS FOR LUNG CANCER MARKER AND MONOCLONAL
FILE REFERENCE: 10365/06104
CURRENT APPLICATION NUMBER: US/09/585,109
CURRENT FILING DATE: 2000-06-01
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 2
LENGTH: 354
TYPE: PRT
ORGANISM: Homo sapiens
US-09-585-109-2

Query Match 39.2%; Score 696.5; DB 2; Length 354;

Best Local Similarity 43.5%; Pred. No. 6.7e-65;
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

Qy 19 GQHTYBGPQDHPWPAFPCGNNAGSPIDIQTDSVTFPDDLPALPHGYDQPTETPLD 78
Db 29 GSKWTYFPGDGENSKKYPSCGGLQSPIDHSDILQYDASLVTPLERQGYNLANKQFL 88
Qy 79 LHHNGHTYQLSLPSTLYIGGLPRKYVAAQLHLMWQKSPGSGSEHQINSEATFELHIVH 138
Db 89 LTNNGHSYKLVLPDMDHIOGLQSRYSATQHLHMGWNPDPHSGSEHTVSGQHPAALHIVH 148
Qy 139 YDSYDLSLSEAAERPOGLAVLIGLIEVGETKNIAVEHILSHLEVRHKDQKTSVPPNLL 198
Db 149 YNSDLYPASTASNKSEGLAVLAVLEMG-SFNPSEYDKIFSHLQHVKKKGGEAFVPGFNI 207
Qy 199 RELLPKQIGQYFRNGSLTTPPCYOSVLTWTFYRRSQISMEQLEKLGSTLSTFTE-EEPS- 256
Db 208 EELLPERFAEYRYRGSITTPPCNPVTWTFVRNPVQISOQLALLETALYCTHMDDSP 267
Qy 257 KLVQNYALQPLNQRMWFAFPIQAGSSYTTGEMLSIGV-----GILVGLCLLLAVY 309
Db 268 REMINNFQVQKFERLVYTSFSQV--OVCTAAGLSGLIISLALAGLIGICIVVVSIV 325
Qy 310 FIARKIRKRLNKRKSVVFTSA-QATTEA 337
Db 326 LFRKRSICK--GDNKGVIYKPAETMETEA 352

RESULT 14
US-09-949-016-6043
; Sequence 6043, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYOMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6043
; LENGTH: 354
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6043

Query Match 39.2%; Score 696.5; DB 2; Length 354;
Best Local Similarity 43.5%; Pred. No. 6.7e-65;
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

Qy 257 KLVQNYALQPLNQRMWFAFPIQAGSSYTTGEMLSIGV-----GILVGLCLLLAVY 309
Db 268 REMINNFQVQKFERLVYTSFSQV--OVCTAAGLSGLIISLALAGLIGICIVVVSIV 325
Qy 310 FIARKIRKRLNKRKSVVFTSA-QATTEA 337
Db 326 LFRKRSICK--GDNKGVIYKPAETMETEA 352

RESULT 15
PCT-US95-09145A-2
; Sequence 2, Application PC/TUS9509145A
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Lung Cancer Marker
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RICHARDS, MEDLOCK & ANDREWS
; STREET: 1201 Elm Street, Suite 4500
; CITY: Dallas
; STATE: TX
; COUNTRY: US
; ZIP: 75270-2197
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/09145A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: John A. Hairte
; REGISTRATION NUMBER: 37,345
; REFERENCE/DOCKET NUMBER: B3792C1PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 214-939-4500
; TELEFAX: 214-939-4600
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 354 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-09145A-2

Query Match 39.2%; Score 696.5; DB 4; Length 354;
Best Local Similarity 43.5%; Pred. No. 6.7e-65;
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

Qy 19 GQHTYBGPQDHPWPAFPCGNNAGSPIDIQTDSVTFPDDLPALPHGYDQPTETPLD 78
Db 29 GSKWTYFPGDGENSKKYPSCGGLQSPIDHSDILQYDASLVTPLERQGYNLANKQFL 88
Qy 79 LHHNGHTYQLSLPSTLYIGGLPRKYVAAQLHLMWQKSPGSGSEHQINSEATFELHIVH 138
Db 89 LTNNGHSYKLVLPDMDHIOGLQSRYSATQHLHMGWNPDPHSGSEHTVSGQHPAALHIVH 148
Qy 139 YDSYDLSLSEAAERPOGLAVLIGLIEVGETKNIAVEHILSHLEVRHKDQKTSVPPNLL 198
Db 149 YNSDLYPASTASNKSEGLAVLAVLEMG-SFNPSEYDKIFSHLQHVKKKGGEAFVPGFNI 207
Qy 199 RELLPKQIGQYFRNGSLTTPPCYOSVLTWTFYRRSQISMEQLEKLGSTLSTFTE-EEPS- 256
Db 208 EELLPERFAEYRYRGSITTPPCNPVTWTFVRNPVQISOQLALLETALYCTHMDDSP 267
Qy 257 KLVQNYALQPLNQRMWFAFPIQAGSSYTTGEMLSIGV-----GILVGLCLLLAVY 309
Db 268 REMINNFQVQKFERLVYTSFSQV--OVCTAAGLSGLIISLALAGLIGICIVVVSIV 325
Qy 310 FIARKIRKRLNKRKSVVFTSA-QATTEA 337

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Db 326 LFRKSIK--GDNKGVYKPEATMETEA 352

Search completed: March 7, 2006, 13:10:29
Job time : 61 secs